



Posting of workers

Report on A1 Portable Documents issued in 2017

Frederic De Wispelaere & Jozef Pacolet – HIVA-KU Leuven

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SUMMARY

Introduction

The main principle of the so-called social security coordination rules (see Regulation (EC) No 883/2004¹ (i.e. 'the Basic Regulation') and Regulation (EC) No 987/2009² (i.e. 'the Implementing Regulation')) is that persons are subject to the legislation of a single Member State only. In case of employment the legislation of the Member State where the activity is carried out usually applies ('*lex loci laboris*'). However, in some very specific situations, criteria other than the actual place of employment are applied. Such situations include, *inter alia*, 1) employed persons who are employed by an employer which normally carry out its activities in a Member State and who are posted by that employer to another Member State to perform work on its behalf (Article 12(1) of the Basic Regulation), 2) persons who normally pursue an activity as a self-employed person in a Member State who go to pursue a similar activity in another Member State (Article 12(2) of the Basic Regulation); and 3) persons who pursue an activity as an employed/self-employed person in two or more Member States (Article 13 of the Basic Regulation).³ In case of Article 12 of the Basic Regulation the social security legislation of the Member State of origin continues to apply for up to 24 months. In case of Article 13 of the Basic Regulation, special rules for persons who are normally employed, self-employed or both employed and self-employed in two or more Member States are laid down to ensure that the social security legislation of only one Member State is applicable. In order to prove that a person is subject to a social security system a so-called 'Portable Document A1 (PD A1)' is issued by the Member State whose legislation remains applicable. This certificate concerns the social security legislation which applies to a person and confirms that this person has no obligations to pay contributions in another Member State. It should be noted that a PD A1 is not only issued to persons active under Article 12 of the Basic Regulation but also to several other mobile workers, such as persons who pursue an activity in two or more Member States, mariners and flight or cabin crew members.

The reader's attention is drawn to the fact that differences exist in the notion of 'posted' used by the Basic Regulation compared to the Posting of Workers Directive (Directive 96/71/EC)⁴. Consequently, persons might be 'posted' under the Basic Regulation but not in the meaning of the Directive. For instance, self-employed persons falling under Article 12 (2) of the Basic Regulation are not covered by the Posting of Workers Directive. In contrast, persons might also be posted under the Posting of Workers Directive and not under the Basic Regulation. For instance, workers who pursue an activity in two or more Member States (Article 13 of the Basic Regulation) may fall under the terms and conditions of the Posting of Workers Directive.

This summary presents the results of the data collection on the number of PDs A1 issued by the EU Member States and EFTA countries during reference year 2017. As will be shown below, these data provide more information on the size, the characteristics and the impact of intra-EU posting according to Article 12(1) of the

¹ Regulation (EC) No 883/2004 of the European Parliament and of the Council of 29 April 2004 on the coordination of social security systems.

² Regulation (EC) No 987/2009 of the European Parliament and of the Council of 16 September 2009 laying down the procedure for implementing Regulation (EC) No 883/2004 on the coordination of social security systems.

³ See EC (2013), *Practical guide on the applicable legislation in the European Union (EU), the European Economic Area (EEA) and in Switzerland*.

⁴ Directive 96/71/EC of the European Parliament and of the Council of 16 December 1996 concerning the posting of workers in the framework of the provision of services. The Directive lays down a nucleus of mandatory rules of the host Member State that should be respected by the posting undertaking.

Basic Regulation. The importance of collecting data on posted workers was recently recognised by Directive (EU) 2018/957 of the European Parliament and of the Council of 28 June 2018 amending Directive 96/71/EC concerning the posting of workers in the framework of the provision of services by stating in Recital 5: "*Sufficient and accurate statistical data in the area of posted workers is of utmost importance, in particular with regard to the number of posted workers in specific employment sectors and per Member State.*" In this respect, data collected at EU level on the number of PDs A1, this via a thematic questionnaire launched in the framework of the Administrative Commission, is vitally important. In recent years, several new questions were included in the thematic PD A1 questionnaire which resulted in a step-by-step improvement of the information available on PDs A1 issued under the Basic Regulation. Nonetheless, further steps to improve the response rate of Member States can still be taken. Moreover, it should be acknowledged that the PD A1 data only provides an indicative picture of the actual number of postings under the Posting of Workers Directive. In this regard, data on incoming posting undertakings and posted workers registered by national declaration tools may complement the data on posting provided by the A1 certificate. In 2018 such data are for the first time collected via a questionnaire launched within the framework of the Expert Committee on Posting of Workers (ECPW).

An overall picture of the number of PDs A1 issued

In 2017, a total of 2.8 million PDs A1 were issued by the reporting Member States at request of the employer or the person concerned. It amounts to 0.8% of total EU employment. The two main issuing Member States were Poland (573,358 PDs A1 issued) and Germany (399,745 PDs A1 issued). Some 1.4 million PDs A1 were issued by the EU-15 Member States and some 1.3 million PDs A1 by the EU-13 Member States. Compared to 2016, the overall number of PDs A1 issued increased by more than 500,000 certificates, representing a growth rate of 22%. This is the highest growth rate since data on the A1 certificate are collected at EU level.

The total number of PDs A1 issued as well as its evolution reflects various cases for which the certificate is granted. Such certificates are issued for different situations which are further defined in Articles 11-16 of the Basic Regulation. Most importantly, a distinction should be made between the number of PDs A1 issued to the following two categories of persons:

- 1) persons covered by Article 12 of the Basic Regulation. Article 12 relates to employed persons who are employed by an employer which normally carry out its activities in a Member State and who are posted by that employer to another Member State to perform work on its behalf, and persons who normally pursue an activity as a self-employed person in a Member State who go to pursue a similar activity in another Member State (hereafter "persons covered by Article 12"); and
- 2) persons covered by Article 13 of the Basic Regulation. These persons pursue an activity as an employed/self-employed person in two or more Member States (hereafter "persons covered by Article 13").

Figures will illustrate the increasing importance of PDs A1 issued in accordance with Article 13 of the Basic Regulation and consequently their impact on the evolution of the total number of PDs A1 issued.

Persons covered by Article 12

Approximately 1.7 million PDs A1 were issued according to Article 12. Some 7% of the forms were issued to self-employed persons. A more detailed analysis shows that some 1 million PDs A1 were granted by the EU-15 Member States and some 700,000 by the EU-13 Member States. The main sending Member States pursuant to Article 12 were Germany (332,091 PDs A1), Poland (235,836 PDs A1) and Slovenia (163,876 PDs A1). From the perspective of the receiving Member State, most persons covered

by Article 12 provided services in Germany (427,175 PDs A1), France (241,363 PDs A1) and Belgium (167,335 PDs A1). There were two significant flows: from Poland to Germany (114,979 PDs A1) and from Slovenia to Germany (71,219 PDs A1).

Compared to 2016, the overall number of PDs A1 issued to persons covered by Article 12 increased by some 6.5%. This is mainly the result of an increasing number of PDs A1 issued by Germany pursuant to Article 12 (+100,000 PDs A1). However, an important finding is that the number of PDs A1 issued pursuant to Article 12 from the EU-13 Member States decreased by some 1% compared to 2016, mainly due to a strong decline of such certificates issued by Poland according to Article 12 (-24,163 PDs A1). As a consequence, the number of PDs A1 issued by Poland pursuant to Article 12 is back at the level of 5 years ago. From the perspective of the receiving Member State, especially France (+38,344 PDs A1), Austria (+20,896 PDs A1) and the Netherlands (+20,649 PDs A1) received a higher number of PDs A1 issued pursuant to Article 12.

Based on the reported figures it can be concluded that on average one individual person falling under Article 12 was sent abroad two times in 2017. Under the current rules on social security coordination the period that persons are pursuing an activity covered by Article 12 is set at a maximum of 24 months. In practice, the average duration was some 98 days.

In 2017, an equivalent of 0.4% of EU employment could be related to the employment of persons falling under Article 12. The most striking figure is obtained for Slovenia, as some 5% of the Slovenian population of working age provided services abroad under Article 12. By using data on the duration, the relative weight of such activities on the labour market in terms of work volume was estimated. An equivalent of 0.2% of employment in full-time equivalents (FTEs) could be related to persons falling under Article 12.

Almost 47% of the persons which were sent abroad in accordance with Article 12 work in the construction sector. For instance, approximately 119,000 persons who were sent from Poland under Article 12 concerned a situation in which persons work in the construction sector. The share of PDs A1 issued under Article 12 in total employment of the construction sector amounted to some 5%. Some 6 out of 10 employed persons in the Slovenian construction sector were sent abroad to provide services. From the perspective of the receiving Member State, mainly in the construction sector of Luxembourg, Austria and Belgium employment under Article 12 is an important type of employment.

Persons covered by Article 13

The number of certificates issued to persons according to Article 13 exceeded, for the first time, the level of 1 million PDs A1. The main issuing Member State is Poland as it has issued almost 325,000 PDs A1 or almost a third of A1 certificates issued to persons on the basis of Article 13.

The number of PDs A1 issued on the basis of Article 13 increased from 168,279 PDs A1 issued in 2010 to more than 1 million PDs A1 issued in 2017. This is a remarkable growth within a short period of time, which may be partly explained by stricter controls and sanctions imposed in some of the main receiving Member States. Moreover, the number even increased in 2017 by more than 400,000 certificates compared to 2016, representing a growth rate of 64%. Consequently, the share of the PDs A1 issued on the basis of Article 13 in the total number of PDs A1 strongly increased over the past few years, up to 36% in 2017.

No maximum period for the provision of services in two or more Member States is set by Article 13. In practice, the average duration persons pursue an activity in two or

more Member States is 305 days per PD A1 and even a complete year per individual person.

In 2017, an equivalent of 0.4% of EU employment, also in FTEs, could be related to the employment of persons who pursue an activity in two or more Member States. This implies that the work volume of such persons is almost twice as high compared to the work volume of persons covered by Article 12.

Half of the A1 certificates issued on the basis of Article 13 are issued to persons employed in the road freight transport sector. For instance, some 170,000 PDs A1 were issued by Poland to persons employed in the road freight transport sector. Based on the statistics published by Eurostat on road freight transport in the EU, we observe that Poland is by far the largest international transport Member State in the EU. Consequently, the finding that a high number of A1 certificates related to Article 13 are issued to truck drivers, mainly to those with a headquarter in Poland, is no surprise. When confronting the PD A1 data with the employment figures of the road freight transport sector, it is observed that a third to even half of the truck drivers employed in Luxembourg, Lithuania, Croatia, Poland, Slovakia and Latvia pursue an activity in two or more Member States.

1. INTRODUCTION

This report presents the data on the number of Portable Documents A1 (PDs A1), which replaced the E101 forms,⁵ granted by Member States^{6,7} during reference year 2017.⁸ According to Article 19 of the Implementing Regulation this certificate will be provided by the competent Member State at the request of the employer or the person concerned. It establishes the presumption that the holder is properly affiliated to the social security system of the Member State which has issued the certificate. Consequently it confirms that the person concerned has no obligations to pay contributions in another Member State. PDs A1 are used for various cases: pursuing activities in another Member State on the basis of Article 12; pursuing activities in two or more Member States on the basis of Article 13; 'Article 16 agreements'; civil servants; mariners; flight or cabin crew members; contract staff of the EU. With regard to the granting of a PD A1 the Administrative Commission lays down the structure, content, format and detailed arrangements for the exchange of documents,⁹ and Regulation (EC) No 987/2009 ('*implementing Regulation*') sets out the information policy impacting the granting of PD A1.¹⁰ Nonetheless, Member States still have an important margin of discretion for designing their internal PD A1 granting procedure.¹¹

Persons covered by Article 12 of the Basic Regulation: Article 12 relates to employed persons who are employed by an employer which normally carry out its activities in a Member State and who are posted by that employer to another Member State to perform work on its behalf, and persons who normally pursue an activity as a self-employed person in a Member State who go to pursue a similar activity in another Member State (hereafter "persons covered by Article 12"); and

Persons covered by Article 13 of the Basic Regulation: These persons pursue an activity as an employed/self-employed person in two or more Member States (hereafter "persons covered by Article 13").

1.1. Brief overview of the legal framework

As a rule, the social security legislation of the Member State in which the employee or self-employed person is working applies. Nevertheless, as regards persons covered by Article 12 of the Basic Regulation, there is an exception to this principle given that the social security legislation of the Member State of origin continues to apply for up to 24 months. The purpose of these provisions is to avoid an administrative burden for workers, employers and social security institutions.¹² Furthermore, Article 13 of the

⁵ Since 1 May 2010, E101 forms have been replaced by PDs A1 by Regulation (EC) No 883/2004 on the coordination of social security systems. However, these new rules have been applied to nationals of Switzerland since 1 April 2012, and to nationals of Norway, Iceland and Liechtenstein since 1 June 2012.

⁶ Member States: 28 EU Member States and EFTA countries. See Annex 2 for the country abbreviations.

⁷ We use the term 'EU-15' to refer to the 'old' EU Member States: Belgium, Greece, Luxembourg, Denmark, Spain, Netherlands, Germany, France, Portugal, Ireland, Italy, United Kingdom, Austria, Finland and Sweden; and 'EU-13' to refer to all the 'new' Member States: Croatia, Romania, Bulgaria, Poland, Czech Republic, Latvia, Lithuania, Slovenia, Estonia, Slovakia, Hungary, Cyprus and Malta. EFTA: Switzerland, Liechtenstein, Norway and Iceland.

⁸ The Network would like to thank all delegations of the Administrative Commission for providing these data. Without their support no data would be available at EU level and no analysis could be made. Moreover, we would like to thank the Commission for remarks, comments and exchanges on previous versions.

⁹ Commission Decision No A1 of 12 June 2009.

¹⁰ See for instance Articles 15 and 19 of Regulation (EC) No 987/2009.

¹¹ Jorens, Y. and Lhernould, J.-P. (2014), *Procedures related to the granting of Portable Document A1: an overview of country practices*, FreSsco, European Commission.

¹² See recital 1 of Decision No A2 of 12 June 2009. Moreover, recital 2 of the same Decision states that "*the provisions of Article 12 of Regulation (EC) No 883/2004 ... aim in particular to facilitate the freedom to provide services for the benefit of employers which post workers to Member States other than that in which they are established, as well as the freedom of workers to move to other Member States. These provisions also aim at*

Basic Regulation lays down special rules for persons who are normally employed, self-employed or both employed and self-employed in two or more Member States, in order to ensure that the social security legislation of only one Member State is applicable. On the basis of Article 11 (5) of the Basic Regulation the applicable legislation will be determined for flight or cabin crew members by their 'home base'. Finally, Article 16 (1) of the Basic Regulation permits the competent authorities of two or more Member States to reach agreements dealing with exceptions to the rules governing the applicable legislation.

1.2. Content of the PD A1 report

This report presents a general overview of the number of PDs A1 issued (*Chapter 2*) and in particular those issued related to persons covered by Article 12 (*Chapter 3*). This is done by making a breakdown by classification of the sending and receiving Member State, by type status, by sector of activity and by focusing on the impact on the national labour market of the sending and receiving Member State. Furthermore, data on the number of individual persons involved and the duration persons are pursuing an activity abroad is reported, in order to gain a better insight into the impact of persons covered by Article 12. In addition, more detailed figures on persons who are active in two or more Member States under Article 13 have become available over the years (*Chapter 4*). The need for a more detailed profile of persons active in two or more Member States recently emerged as the number of PDs A1 granted to this group of persons has strongly increased over the past few years.

Almost all Member States provided detailed figures on the number of PDs A1 issued. Only the United Kingdom, Norway and Switzerland did not provide a breakdown by receiving Member State for the PDs A1 issued according to Article 12. This prevents drawing a 'complete picture'¹³ in terms of receiving Member States. With regard to the collection of more detailed figures on the PDs A1 issued according to Article 12, 21 Member States provided a breakdown by sector of economic activity. Also, 21 and 18 Member States respectively, were able to provide data on the number of individual employed/self-employed persons and on the duration persons are pursuing an activity covered by Article 12. With regard to the collection of more detailed figures on the PDs A1 issued to persons active in two or more Member States some 15 Member States provided a breakdown by sector of economic activity, 17 Member States reported the number of individual persons active in two or more Member States and 14 Member States provided data on the duration. The above response rates indicate that the image presented for some indicators is still (very) incomplete due to missing data from several Member States. This is of course not without consequence for the robustness of the overall conclusions.

1.3. Some important methodological remarks

For a long time, the statistics that become publicly available by collecting data on PD A1 were the only source of comparable information at European level to estimate the number of postings/posted workers. Consequently, these data are frequently used by scholars as well as in political debates. When using and citing these data, it is of utmost importance that the limitations of these figures are clearly described.

overcoming the obstacles likely to impede freedom of movement of workers and at encouraging economic interpenetration whilst avoiding administrative complications, especially for workers and undertakings."

¹³ It will still be incomplete as no breakdown by receiving Member State for the PDs A1 issued according to Article 13 is available.

Therefore, it should be noted that the number of PDs A1 issued are only an estimate of the actual number of posted workers for several reasons:

- * In some cases, a posting may take place without the institutions being informed of it. Moreover, a PD A1 can also be awarded with retroactive effect. Consequently the number of PDs A1 issued and its evolution may depend on the number of inspections performed by the enforcement bodies in the host Member State (concentrated in certain sectors of activity) as well as to what extent host Member States implemented sanctions in case of failure to show a PD A1¹⁴;
- * Due to differences in the scope of posting between the Posting of Workers Directive and the Basic Regulation, the number of issued PDs A1 may not fully reflect the characteristics and the scale of posting under the Posting of Workers Directive in the EU. For instance, posted self-employed persons defined by Article 12 (2) of the Basic Regulation are not covered by Directive 96/71/EC. Contrarily, persons covered by Article 13 may fall under the terms and conditions of the Posting of Workers Directive, and thus be considered as 'posted workers' in their own right;
- * The number of PDs A1 issued is not necessarily equal to the number of persons involved, as several PDs A1 may be issued to the same person during the reference year;
- * Only data on the number of PDs A1 issued according to Article 12 are available from the perspective of the receiving Member State, which is an underestimation of the total number of PDs A1 received. These forms are also received for several other cases, mainly because persons are active in two or more Member States (Art. 13 of the Basic Regulation).

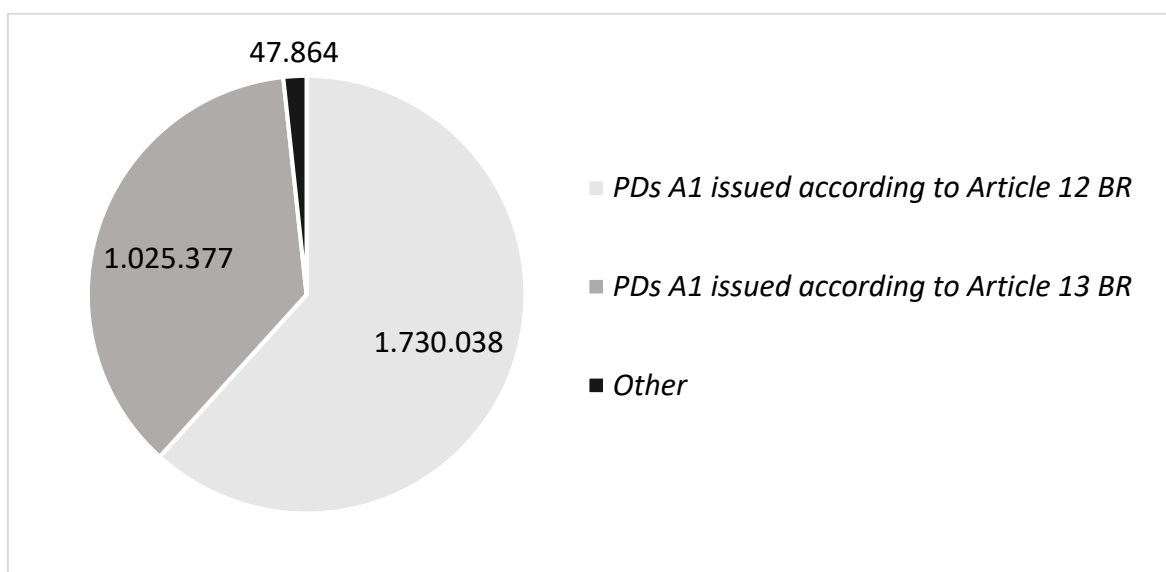
¹⁴ See, for instance, France by Article L 114-15-1 of 'Code de la sécurité sociale'.

2. AN OVERALL PICTURE OF THE NUMBER OF PDS A1 ISSUED

2.1. Number of PDS A1 issued in 2017

A total of 2.8 million PDS A1 were issued by the reporting Member States at the request of the employer or the person concerned. Approximately 1.73 million PDS A1 were applicable to persons covered by Article 12 (*Figure 1*). The number of certificates issued to persons covered by Article 13 exceeds, for the first time, the level of 1 million PDS A1. The remainder PDS A1 were applicable to other categories (47,864 PDS A1), mainly issued to civil servants (17,939 PDS A1) as well as to persons covered by an 'Article 16 Agreement' (21,149 PDS A1).

Figure 1 Total number of PDS A1 issued, breakdown by type, 2017



Source Administrative data PD A1 Questionnaire 2018

In absolute terms, the five main issuing Member States were Poland (573,358 PDS A1 issued), Germany (399,745 PDS A1 issued), Spain (191,148 PDS A1 issued), Slovenia (190,976 PDS A1 issued) and Italy (152,528 PDS A1 issued) (*Table 1*). Belgium, Slovakia, France and the Netherlands also issued more than 100,000 PDS A1.

Several Member States granted less than 100,000 but more than 50,000 PDS A1 (Portugal, Romania, Hungary, Luxembourg, Lithuania, Austria, the Czech Republic and Croatia). The United Kingdom, Denmark, Bulgaria, Switzerland, Latvia, Estonia and Sweden issued less than 50,000 but more than 10,000 PDS A1. Finally, Finland, Ireland, Greece, Cyprus, Norway, Malta, Liechtenstein and Iceland issued less than 10,000 PDS A1.

When making a distinction between EU-15 Member States and EU-13 Member States, we observe that some 1.42 million PDS A1 were issued by the EU-15 Member States and some 1.32 million PDS A1 by the EU-13 Member States.

Some 62% of the PDS A1 were granted according to Article 12 (*Table 2*). Further on in this report, the reader will notice that this is a much lower percentage compared to previous years. That lower percentage reflects the growing importance of certificates issued to persons covered by Article 13. Furthermore, there are some remarkable differences between EU-15 Member States and EU-13 Member States when analysing the distribution by type of case in which a PD A1 is granted. Some 70% of the PDS A1

granted by EU-15 Member States are issued to persons covered by Article 12. In comparison, 45% of the PDs A1 granted by EU-13 Member State are issued to persons covered by Article 13.

A total of 19 Member States¹⁵ mainly issued a PD A1 to persons covered by Article 12. The other Member States mainly issued the certificate to persons covered by Article 13. Especially France issued a high number of certificates in relation to persons covered by Article 12. By contrast, more than eight out of ten PDs A1 issued by Cyprus, Latvia, the Czech Republic and Liechtenstein concerned persons covered by Article 13.

As the main sending Member State Poland issued 41% of PDs A1 to persons covered by Article 12 and 57% to persons covered by Article 13. This is an important change compared to previous years, given that Poland has always issued more PDs A1 to persons falling under Article 12 than to persons falling under 13.¹⁶ Also for Germany, which is the second most important issuing Member State, the share of PDs A1 issued to persons covered by Article 13 increased significantly (from 8.8% in 2016 to 15.7% in 2017). We observe a similar evolution for most of the other Member States, particularly for Lithuania (+ 46 percentage points), Romania (+ 41 percentage points) and Bulgaria (+ 40 percentage points).

Finally, only Denmark (1,186 PDs A1) and Poland (639 PDs A1) issued a relatively high number of PDs A1 to flight or cabin crew members compared to other Member States. However, Ireland remarked that their figure of 3,600 PD A1s issued to employed persons working in two or more Member States mainly relates to airline staff to whom the transitional provisions contained in Articles 87 and 87a of the Basic Regulation would continue to apply.

¹⁵ Belgium, Germany, Greece, Spain, France, Croatia, Italy, Luxembourg, Hungary, Austria, Portugal, Romania, Slovenia, Slovakia, Finland, United Kingdom, Iceland, Norway and Switzerland.

¹⁶ De Wispelaere, F. and Pacolet, J. (2017b), *Posting of workers: Report on A1 portable documents issued in 2016*, Network Statistics FMSSFE, European Commission.

Posting of workers

Table 1 Total number of PDs A1 issued by the competent Member States, breakdown by type, 2017

| Sending MS | Employed, active under Article 12(1) | Self-employed, active under Article 12(2) | Sum persons active under Article 12 | Employed, working in two or more States | Self-employed, working in two or more States | Working as an employed person and as a self-employed person in different States | Working as a civil servant in one State and as an employed/self-employed person in one or more other States | Sum active in two or more States | Civil servant | Contract staff | Mariner | Flight or cabin crew member | Exception (Art. 16) | Sum others | Total |
|--------------|--------------------------------------|---|-------------------------------------|---|--|---|---|----------------------------------|---------------|----------------|--------------|-----------------------------|---------------------|---------------|------------------|
| BE | 72,884 | 3,835 | 76,719 | 46,906 | 9,197 | 1,140 | 30 | 57,273 | 377 | 0 | 2 | 27 | n.a. | 406 | 134,398 |
| BG | 14,713 | 68 | 14,781 | 20,336 | 367 | 403 | 0 | 21,106 | 264 | 0 | 16 | 0 | 53 | 333 | 36,220 |
| CZ | 9,017 | 2,293 | 11,310 | 43,120 | 10,583 | 1,972 | 25 | 55,700 | 496 | 0 | 2 | 16 | 409 | 923 | 67,933 |
| DK | 8,081 | 169 | 8,250 | 26,981 | 427 | 176 | 104 | 27,688 | 179 | n.a. | 56 | 1,186 | 489 | 1,910 | 37,848 |
| DE | 319,332 | 12,759 | 332,091 | 55,876 | 2,652 | 2,957 | 1,392 | 62,877 | 298 | 0 | 8 | 154 | 4,317 | 4,777 | 399,745 |
| EE | 6,299 | 6 | 6,305 | 12,360 | 42 | 50 | 4 | 12,456 | 148 | 0 | 59 | 2 | 7 | 216 | 18,977 |
| IE | 3,016 | 206 | 3,222 | 3,600 | 382 | 193 | 5 | 4,180 | 41 | 0 | 0 | 83 | 219 | 343 | 7,745 |
| EL | 4,192 | 46 | 4,238 | 2,249 | 560 | 106 | 11 | 2,926 | 20 | 20 | n.a. | n.a. | n.a. | 40 | 7,204 |
| ES | 103,927 | 6,941 | 110,868 | 68,488 | 9,087 | 88 | 0 | 77,663 | 302 | 0 | 414 | 108 | 1,793 | 2,617 | 191,148 |
| FR | 109,155 | 13 | 109,168 | 895 | 0 | 21 | 0 | 916 | 8 | 1 | 883 | 0 | 683 | 1,575 | 111,659 |
| HR | 41,065 | 130 | 41,195 | 13,224 | 572 | 204 | 23 | 14,023 | 228 | 0 | 1,491 | 0 | 3,089 | 4,808 | 60,026 |
| IT | 116,237 | 13,495 | 129,732 | 18,720 | 1,316 | 251 | 72 | 20,359 | 521 | 5 | 0 | 7 | 1,904 | 2,437 | 152,528 |
| CY | 75 | 6 | 81 | 3,313 | 52 | 503 | 0 | 3,868 | 30 | 0 | 50 | 0 | 11 | 91 | 4,040 |
| LV | 1,529 | 100 | 1,629 | 16,978 | 135 | 176 | n.a. | 17,289 | 49 | n.a. | 768 | 1 | 953 | 1,771 | 20,689 |
| LT | 26,462 | 86 | 26,548 | 43,018 | 11 | 70 | n.a. | 43,099 | 10 | n.a. | 507 | n.a. | 16 | 533 | 70,180 |
| LU | 58,381 | 305 | 58,686 | 12,987 | 285 | 963 | 3 | 14,238 | 0 | 0 | 0 | 0 | 951 | 951 | 73,875 |
| HU | 62,225 | 648 | 62,873 | 18,681 | 298 | 561 | n.a. | 19,540 | 288 | 0 | 0 | n.a. | 180 | 468 | 82,881 |
| MT | 124 | 21 | 145 | 776 | 24 | 27 | 0 | 827 | 10 | 0 | 401 | 4 | 1 | 416 | 1,388 |
| NL | 19,231 | 3,074 | 22,305 | 71,262 | 7,616 | 839 | 106 | 79,823 | 267 | n.a. | 499 | 19 | 825 | 1,610 | 103,738 |
| AT | 45,108 | 5,195 | 50,303 | 15,420 | 1,323 | 789 | 278 | 17,810 | 30 | 0 | 1 | 3 | 809 | 843 | 68,956 |
| PL | 217,154 | 18,682 | 235,836 | 283,445 | 39,325 | 800 | 1,429 | 324,999 | 10,717 | 0 | 34 | 639 | 1,133 | 12,523 | 573,358 |
| PT | 64,200 | 120 | 64,320 | 19,979 | 30 | 59 | 2 | 20,070 | | | 4 | 2 | 678 | 684 | 85,074 |
| RO | 46,714 | 19 | 46,733 | 37,247 | 112 | 111 | 0 | 37,470 | 359 | 0 | 122 | 2 | 57 | 540 | 84,743 |
| SI | 156,347 | 7,529 | 163,876 | 25,150 | 1,167 | 217 | 25 | 26,559 | 504 | 0 | 0 | 0 | 37 | 541 | 190,976 |
| SK | 54,883 | 35,910 | 90,793 | 19,395 | 1,492 | 789 | 20 | 21,696 | 345 | 1 | 0 | 8 | 135 | 489 | 112,978 |
| FI | 3,295 | 246 | 3,541 | 3,157 | 65 | 41 | 51 | 3,314 | 432 | 15 | 202 | 167 | 390 | 1,206 | 8,061 |
| SE | 2,947 | 197 | 3,144 | 4,610 | 257 | 292 | 1,476 | 6,635 | 355 | 1 | 240 | 116 | 219 | 931 | 10,710 |
| UK | 28,084 | 5,696 | 33,780 | 7,549 | 3,838 | 2,438 | 13 | 13,838 | 465 | 6 | 90 | 187 | 1,130 | 1,878 | 49,496 |
| IS | 91 | 71 | 162 | 65 | 17 | 4 | 9 | 95 | 25 | 0 | 2 | 4 | 5 | 36 | 293 |
| LI | 8 | 24 | 32 | 974 | n.a. | 1 | 1 | 976 | 10 | n.a. | n.a. | n.a. | 6 | 16 | 1,024 |
| NO | 1,762 | 338 | 2,100 | 1,140 | 216 | 451 | 22 | 1,829 | 111 | 0 | 45 | 12 | n.a. | 168 | 4,097 |
| CH | 14,174 | 1,098 | 15,272 | 12,461 | 849 | 887 | 38 | 14,235 | 1,050 | 1 | 71 | 12 | 650 | 1,784 | 31,291 |
| Total | 1,610,712 | 119,326 | 1,730,038 | 910,362 | 92,297 | 17,579 | 5,139 | 1,025,377 | 17,939 | 50 | 5,967 | 2,759 | 21,149 | 47,864 | 2,803,279 |
| EU-15 | 958,070 | 52,297 | 1,010,367 | 358,679 | 37,035 | 10,353 | 3,543 | 409,610 | 3,295 | 48 | 2,399 | 2,059 | 14,407 | 22,208 | 1,442,185 |
| EU-13 | 636,607 | 65,498 | 702,105 | 537,043 | 54,180 | 5,883 | 1,526 | 598,632 | 13,448 | 1 | 3,450 | 672 | 6,081 | 23,652 | 1,324,389 |
| EFTA | 16,035 | 1,531 | 17,566 | 14,640 | 1,082 | 1,343 | 70 | 17,135 | 1,196 | 1 | 118 | 28 | 661 | 2,004 | 36,705 |

Source Administrative data PD A1 Questionnaire 2018

Posting of workers

Table 2 Total number of PDs A1 issued by the competent Member States, percentage breakdown by type, 2017

| Sending MS | Employed, active under Article 12(1) | Self-employed, active under Article 12(2) | Sum persons active under Article 12 | Employed, working in two or more States | Self-employed, working in two or more States | Working as an employed person and as a self-employed person in different States | Working as a civil servant in one State and as an employed/self-employed person in one or more other States | Sum active in two or more States | Civil servant | Contract staff | Mariner | Flight or cabin crew member | Exception (Art. 16) | Sum others | Total |
|--------------|--------------------------------------|---|-------------------------------------|---|--|---|---|----------------------------------|---------------|----------------|---------|-----------------------------|---------------------|------------|-------|
| BE | 54.2% | 2.9% | 57.1% | 34.9% | 6.8% | 0.8% | 0.0% | 42.6% | 0.3% | 0.0% | 0.0% | 0.0% | 0.0% | 0.3% | 100% |
| BG | 40.6% | 0.2% | 40.8% | 56.1% | 1.0% | 1.1% | 0.0% | 58.3% | 0.7% | 0.0% | 0.0% | 0.0% | 0.1% | 0.9% | 100% |
| CZ | 13.3% | 3.4% | 16.6% | 63.5% | 15.6% | 2.9% | 0.0% | 82.0% | 0.7% | 0.0% | 0.0% | 0.0% | 0.6% | 1.4% | 100% |
| DK | 21.4% | 0.4% | 21.8% | 71.3% | 1.1% | 0.5% | 0.3% | 73.2% | 0.5% | 0.0% | 0.1% | 3.1% | 1.3% | 5.0% | 100% |
| DE | 79.9% | 3.2% | 83.1% | 14.0% | 0.7% | 0.7% | 0.3% | 15.7% | 0.1% | 0.0% | 0.0% | 0.0% | 1.1% | 1.2% | 100% |
| EE | 33.2% | 0.0% | 33.2% | 65.1% | 0.2% | 0.3% | 0.0% | 65.6% | 0.8% | 0.0% | 0.3% | 0.0% | 0.0% | 1.1% | 100% |
| IE | 38.9% | 2.7% | 41.6% | 46.5% | 4.9% | 2.5% | 0.1% | 54.0% | 0.5% | 0.0% | 0.0% | 1.1% | 2.8% | 4.4% | 100% |
| EL | 58.2% | 0.6% | 58.8% | 31.2% | 7.8% | 1.5% | 0.2% | 40.6% | 0.3% | 0.3% | 0.0% | 0.0% | 0.0% | 0.6% | 100% |
| ES | 54.4% | 3.6% | 58.0% | 35.8% | 4.8% | 0.0% | 0.0% | 40.6% | 0.2% | 0.0% | 0.2% | 0.1% | 0.9% | 1.4% | 100% |
| FR | 97.8% | 0.0% | 97.8% | 0.8% | 0.0% | 0.0% | 0.0% | 0.8% | 0.0% | 0.0% | 0.8% | 0.0% | 0.6% | 1.4% | 100% |
| HR | 68.4% | 0.2% | 68.6% | 22.0% | 1.0% | 0.3% | 0.0% | 23.4% | 0.4% | 0.0% | 2.5% | 0.0% | 5.1% | 8.0% | 100% |
| IT | 76.2% | 8.8% | 85.1% | 12.3% | 0.9% | 0.2% | 0.0% | 13.3% | 0.3% | 0.0% | 0.0% | 0.0% | 1.2% | 1.6% | 100% |
| CY | 1.9% | 0.1% | 2.0% | 82.0% | 1.3% | 12.5% | 0.0% | 95.7% | 0.7% | 0.0% | 1.2% | 0.0% | 0.3% | 2.3% | 100% |
| LV | 7.4% | 0.5% | 7.9% | 82.1% | 0.7% | 0.9% | 0.0% | 83.6% | 0.2% | 0.0% | 3.7% | 0.0% | 4.6% | 8.6% | 100% |
| LT | 37.7% | 0.1% | 37.8% | 61.3% | 0.0% | 0.1% | 0.0% | 61.4% | 0.0% | 0.0% | 0.7% | 0.0% | 0.0% | 0.8% | 100% |
| LU | 79.0% | 0.4% | 79.4% | 17.6% | 0.4% | 1.3% | 0.0% | 19.3% | 0.0% | 0.0% | 0.0% | 0.0% | 1.3% | 1.3% | 100% |
| HU | 75.1% | 0.8% | 75.9% | 22.5% | 0.4% | 0.7% | 0.0% | 23.6% | 0.3% | 0.0% | 0.0% | 0.0% | 0.2% | 0.6% | 100% |
| MT | 8.9% | 1.5% | 10.4% | 55.9% | 1.7% | 1.9% | 0.0% | 59.6% | 0.7% | 0.0% | 28.9% | 0.3% | 0.1% | 30.0% | 100% |
| NL | 18.5% | 3.0% | 21.5% | 68.7% | 7.3% | 0.8% | 0.1% | 76.9% | 0.3% | 0.0% | 0.5% | 0.0% | 0.8% | 1.6% | 100% |
| AT | 65.4% | 7.5% | 72.9% | 22.4% | 1.9% | 1.1% | 0.4% | 25.8% | 0.0% | 0.0% | 0.0% | 0.0% | 1.2% | 1.2% | 100% |
| PL | 37.9% | 3.3% | 41.1% | 49.4% | 6.9% | 0.1% | 0.2% | 56.7% | 1.9% | 0.0% | 0.0% | 0.1% | 0.2% | 2.2% | 100% |
| PT | 75.5% | 0.1% | 75.6% | 23.5% | 0.0% | 0.1% | 0.0% | 23.6% | 0.0% | 0.0% | 0.0% | 0.0% | 0.8% | 0.8% | 100% |
| RO | 55.1% | 0.0% | 55.1% | 44.0% | 0.1% | 0.1% | 0.0% | 44.2% | 0.4% | 0.0% | 0.1% | 0.0% | 0.1% | 0.6% | 100% |
| SI | 81.9% | 3.9% | 85.8% | 13.2% | 0.6% | 0.1% | 0.0% | 13.9% | 0.3% | 0.0% | 0.0% | 0.0% | 0.0% | 0.3% | 100% |
| SK | 48.6% | 31.8% | 80.4% | 17.2% | 1.3% | 0.7% | 0.0% | 19.2% | 0.3% | 0.0% | 0.0% | 0.0% | 0.1% | 0.4% | 100% |
| FI | 40.9% | 3.1% | 43.9% | 39.2% | 0.8% | 0.5% | 0.6% | 41.1% | 5.4% | 0.2% | 2.5% | 2.1% | 4.8% | 15.0% | 100% |
| SE | 27.5% | 1.8% | 29.4% | 43.0% | 2.4% | 2.7% | 13.8% | 62.0% | 3.3% | 0.0% | 2.2% | 1.1% | 2.0% | 8.7% | 100% |
| UK | 56.7% | 11.5% | 68.2% | 15.3% | 7.8% | 4.9% | 0.0% | 28.0% | 0.9% | 0.0% | 0.2% | 0.4% | 2.3% | 3.8% | 100% |
| IS | 31.1% | 24.2% | 55.3% | 22.2% | 5.8% | 1.4% | 3.1% | 32.4% | 8.5% | 0.0% | 0.7% | 1.4% | 1.7% | 12.3% | 100% |
| LI | 0.8% | 2.3% | 3.1% | 95.1% | 0.0% | 0.1% | 0.1% | 95.3% | 1.0% | 0.0% | 0.0% | 0.0% | 0.6% | 1.6% | 100% |
| NO | 43.0% | 8.2% | 51.3% | 27.8% | 5.3% | 11.0% | 0.5% | 44.6% | 2.7% | 0.0% | 1.1% | 0.3% | 0.0% | 4.1% | 100% |
| CH | 45.3% | 3.5% | 48.8% | 39.8% | 2.7% | 2.8% | 0.1% | 45.5% | 3.4% | 0.0% | 0.2% | 0.0% | 2.1% | 5.7% | 100% |
| Total | 57.5% | 4.3% | 61.7% | 32.5% | 3.3% | 0.6% | 0.2% | 36.6% | 0.6% | 0.0% | 0.2% | 0.1% | 0.8% | 1.7% | 100% |
| EU-15 | 66.4% | 3.6% | 70.1% | 24.9% | 2.6% | 0.7% | 0.2% | 28.4% | 0.2% | 0.0% | 0.2% | 0.1% | 1.0% | 1.5% | 100% |
| EU-13 | 48.1% | 4.9% | 53.0% | 40.6% | 4.1% | 0.4% | 0.1% | 45.2% | 1.0% | 0.0% | 0.3% | 0.1% | 0.5% | 1.8% | 100% |
| EFTA | 43.7% | 4.2% | 47.9% | 39.9% | 2.9% | 3.7% | 0.2% | 46.7% | 3.3% | 0.0% | 0.3% | 0.1% | 1.8% | 5.5% | 100% |

Source Administrative data PD A1 Questionnaire 2018

Both Poland and Germany are the main issuing Member States of a PD A1. Some 21% of the total number of PDs A1 are issued by Poland and some 14% by Germany (Table 3). Nonetheless, as can be seen from Table 3, the share of Member States may differ strongly according to the type of case in which the PD A1 is granted for. Almost one out of three PDs A1 granted to persons covered by Article 13 are issued by Poland. However, its share in total is much lower for Poland with regard to A1 certificates issued to persons covered by Article 12. This is in contrast to Germany which is the main issuing Member State of A1 certificates issued to persons falling under Article 12. The country shows a much lower share in the total number of PDs A1 issued to persons covered by Article 13. Another striking finding is that while the share of Slovakia in total is rather limited, it amounts to 30% of the total number of PDs A1 issued to self-employed persons according to Article 12(2).

Some 51% of the PDs A1 were issued by EU-15 Member States and 47% by EU-13 Member States. Nonetheless, most of the A1 certificates issued to self-employed persons according to Article 12(2) (55% of total) and to persons active in two or more Member States (58%) are granted by EU-13 Member States.

Table 3 Total number of PDs A1 issued by the competent Member States, by type, share in column total, 2017

| Sending MS | Employed, active under Article 12 | Self-employed, active under Article 12 | Sum persons active under Article 12 | Active in two or more States under Article 13 | Others | Total |
|--------------|-----------------------------------|--|-------------------------------------|---|---------------|---------------|
| BE | 4.5% | 3.2% | 4.4% | 5.6% | 0.8% | 4.8% |
| BG | 0.9% | 0.1% | 0.9% | 2.1% | 0.7% | 1.3% |
| CZ | 0.6% | 1.9% | 0.7% | 5.4% | 1.9% | 2.4% |
| DK | 0.5% | 0.1% | 0.5% | 2.7% | 4.0% | 1.4% |
| DE | 19.8% | 10.7% | 19.2% | 6.1% | 10.0% | 14.3% |
| EE | 0.4% | 0.0% | 0.4% | 1.2% | 0.5% | 0.7% |
| IE | 0.2% | 0.2% | 0.2% | 0.4% | 0.7% | 0.3% |
| EL | 0.3% | 0.0% | 0.2% | 0.3% | 0.1% | 0.3% |
| ES | 6.5% | 5.8% | 6.4% | 7.6% | 5.5% | 6.8% |
| FR | 6.8% | 0.0% | 6.3% | 0.1% | 3.3% | 4.0% |
| HR | 2.5% | 0.1% | 2.4% | 1.4% | 10.0% | 2.1% |
| IT | 7.2% | 11.3% | 7.5% | 2.0% | 5.1% | 5.4% |
| CY | 0.0% | 0.0% | 0.4% | 0.4% | 0.2% | 0.1% |
| LV | 0.1% | 0.1% | 0.1% | 1.7% | 3.7% | 0.7% |
| LT | 1.6% | 0.1% | 1.5% | 4.2% | 1.1% | 2.5% |
| LU | 3.6% | 0.3% | 3.4% | 1.4% | 2.0% | 2.6% |
| HU | 3.9% | 0.5% | 3.6% | 1.9% | 1.0% | 3.0% |
| MT | 0.0% | 0.0% | 0.0% | 0.1% | 0.9% | 0.0% |
| NL | 1.2% | 2.6% | 1.3% | 7.8% | 3.4% | 3.7% |
| AT | 2.8% | 4.4% | 2.9% | 1.7% | 1.8% | 2.5% |
| PL | 13.5% | 15.7% | 13.6% | 31.7% | 26.2% | 20.5% |
| PT | 4.0% | 0.1% | 3.7% | 2.0% | 1.4% | 3.0% |
| RO | 2.9% | 0.0% | 2.7% | 3.7% | 1.1% | 3.0% |
| SI | 9.7% | 6.3% | 9.5% | 2.6% | 1.1% | 6.8% |
| SK | 3.4% | 30.1% | 5.2% | 2.1% | 1.0% | 4.0% |
| FI | 0.2% | 0.2% | 0.2% | 0.3% | 2.5% | 0.3% |
| SE | 0.2% | 0.2% | 0.2% | 0.6% | 1.9% | 0.4% |
| UK | 1.7% | 4.8% | 2.0% | 1.3% | 3.9% | 1.8% |
| IS | 0.0% | 0.1% | 0.0% | 0.0% | 0.1% | 0.0% |
| LI | 0.0% | 0.0% | 0.0% | 0.1% | 0.0% | 0.0% |
| NO | 0.1% | 0.3% | 0.1% | 0.2% | 0.4% | 0.1% |
| CH | 0.9% | 0.9% | 0.9% | 1.4% | 3.7% | 1.1% |
| Total | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| EU-15 | 59.5% | 43.8% | 58.4% | 39.9% | 46.4% | 51.4% |
| EU-13 | 39.5% | 54.9% | 40.6% | 58.4% | 49.4% | 47.2% |
| EFTA | 1.0% | 1.3% | 1.0% | 1.7% | 4.2% | 1.3% |

Source Administrative data PD A1 Questionnaire 2018

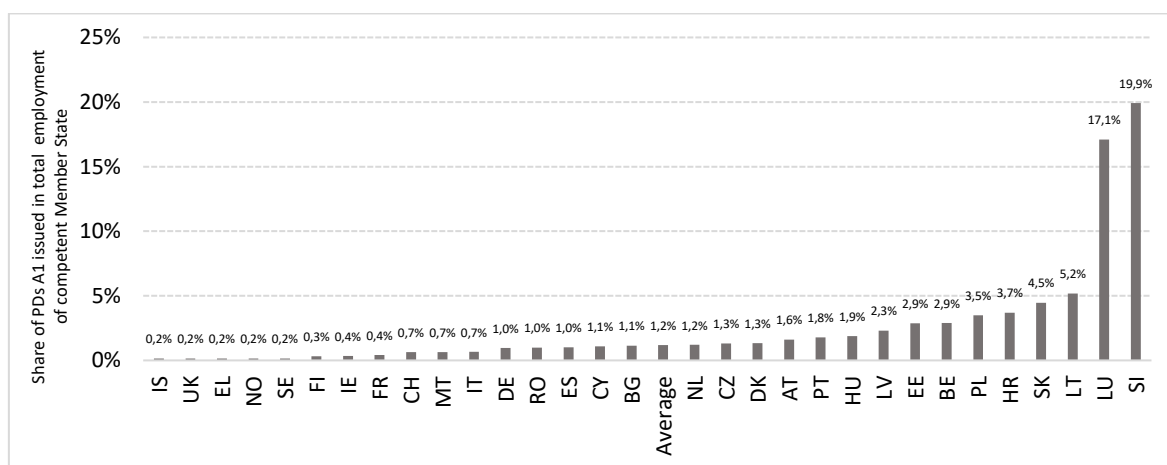
2.2. Share in total EU employment

The total number of PDs A1 issued can be compared to the total number of employed persons in the sending Member State. Although this gives a first idea of the relative

volume, it is certainly not the best indicator to measure the impact on national labour markets, as in that case the number of forms issued are compared to the number of employed/self-employed persons. It is better to compare the total number of employed/self-employed persons with the number of individual persons involved, as several PDs A1 could be issued to the same person during the reference year. Such data are collected for both persons covered by Article 12 and persons covered by Article 13.

In 2017, a PD A1 was issued to an equivalent of 1.2% of the employed population (*Figure 2*). In relative terms, Slovenia (20%) and Luxembourg (17%) were the main sending Member States. Poland, which is the main sending Member State in absolute terms, issued a PD A1 to 3.5% of its employed population in 2017. As already indicated, these figures should be considered as an overestimation of the real impact on national labour markets. In a later stage, they will be corrected on the basis of the number of individual persons involved and the number of persons in full-time equivalents.

Figure 2 Share of PDs A1 in national employment of the sending Member State, 2017



* LU: employment is based on the National Accounts of LU by using the 'domestic concept' (which also takes into account the number of commuters)

Source Administrative data PD A1 Questionnaire 2018 and Eurostat [lfsa_egan2] - [nama_10_a10_e]

2.3. Comparison with previous years

Compared to 2016, the overall number of PDs A1 issued increased by some 512,000 PDs A1 (*Table 4*). Consequently, the EU growth rate amounted to roughly 22%. This is a much higher growth rate compared to previous years, mainly due to the high increase of the number of PDs A1 issued to persons covered by Article 13 (see also *Chapter 4 - Table 15*). It is even the highest growth rate since data on the A1 certificate are collected at EU level.

The growth in total number of PDs A1 issued is mainly influenced by Germany (+139,677 PDs A1 issued) and to a lesser extent by Poland (+59,386 PDs A1 issued). Almost all Member States issued more A1 certificates compared to 2016. Especially Malta (+175%) and Lithuania (+128%) show a very high growth rate. Nonetheless, six Member States have granted less certificates compared to 2016 (France, Austria, Finland, Sweden, Liechtenstein and Norway). The number of PDs A1 issued by France even decreased by some 29,000 PDs A1 compared to 2016.

Over the past five years, EU-13 Member States (+106%) have shown a much higher growth rate compared to EU-15 Member States (+64%). The growth rate between 2016 and 2017 is similar in the EU-15 (+22%) and the EU-13 (+23%). Moreover, as stated above, most PDs A1 issued are still issued by EU-15 Member States.

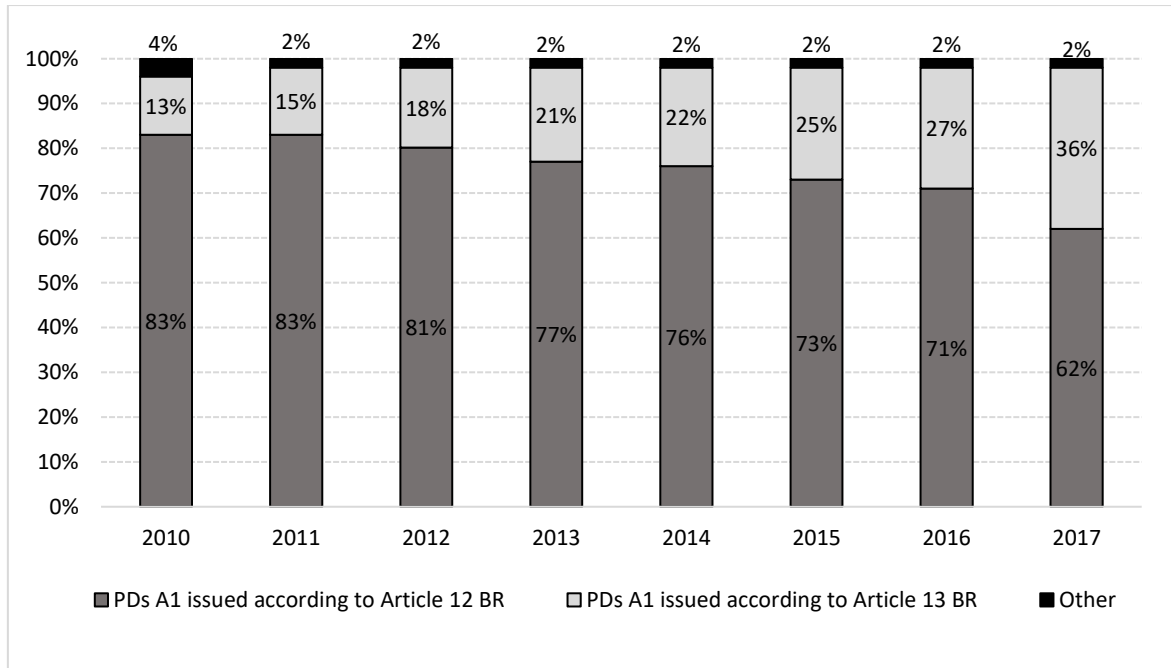
Table 4 PDs A1 issued by the competent Member States, 2012-2017

| Sending MS | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | % change 2017 vs. | | Change in numbers 2017 vs. | |
|--------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|--------------|----------------------------|----------------|
| | | | | | | | 2012 | 2016 | 2012 | 2016 |
| BE | 59,832 | 83,582 | 79,771 | 86,218 | 104,307 | 134,398 | 124.6% | 28.8% | 74,566 | 30,091 |
| BG | 11,896 | 14,185 | 14,203 | 15,839 | 19,595 | 36,220 | 204.5% | 84.8% | 24,324 | 16,625 |
| CZ | 24,162 | 30,912 | 31,675 | 37,174 | 47,578 | 67,933 | 181.2% | 42.8% | 43,771 | 20,355 |
| DK | 19,592 | 25,220 | 20,409 | 30,031 | 29,595 | 37,848 | 93.2% | 27.9% | 18,256 | 8,253 |
| DE | 243,125 | 254,469 | 255,724 | 240,862 | 260,068 | 399,745 | 64.4% | 53.7% | 156,620 | 139,677 |
| EE | 18,606 | 15,927 | 15,054 | 15,363 | 17,953 | 18,977 | 2.0% | 5.7% | 371 | 1,024 |
| IE | 7,799 | 7,396 | 7,654 | 7,899 | 7,339 | 7,745 | -0.7% | 5.5% | -54 | 406 |
| EL | 1,889 | 2,131 | 3,608 | 4,789 | 6,924 | 7,204 | 281.4% | 4.0% | 5,315 | 280 |
| ES | 76,960 | 101,705 | 111,557 | 125,711 | 147,424 | 191,148 | 148.4% | 29.7% | 114,188 | 43,724 |
| FR | 140,805 | 130,435 | 125,203 | 139,040 | 135,974 | 111,659 | -20.7% | -17.9% | -29,146 | -24,315 |
| HR | | 10,227 | 27,556 | 38,998 | 42,602 | 60,026 | | 40.9% | 60,026 | 17,424 |
| IT | 52,237 | 59,114 | 74,431 | 91,740 | 114,515 | 152,528 | 192.0% | 33.2% | 100,291 | 38,013 |
| CY | 2,282 | 2,192 | 1,955 | 3,091 | 3,552 | 4,040 | 77.0% | 13.7% | 1,758 | 488 |
| LV | 5,402 | 7,425 | 6,656 | 7,738 | 10,830 | 20,689 | 283.0% | 91.0% | 15,287 | 9,859 |
| LT | 14,041 | 17,342 | 19,208 | 25,254 | 30,723 | 70,180 | 399.8% | 128.4% | 56,139 | 39,457 |
| LU | 44,256 | 32,472 | 62,141 | 62,947 | 68,725 | 73,875 | 66.9% | 7.5% | 29,619 | 5,150 |
| HU | 65,182 | 68,489 | 68,234 | 63,663 | 65,185 | 82,881 | 27.2% | 27.1% | 17,699 | 17,696 |
| MT | 327 | 322 | 324 | 228 | 504 | 1,388 | 324.5% | 175.4% | 1,061 | 884 |
| NL | 84,202 | 95,719 | 116,060 | 95,017 | 98,687 | 103,738 | 23.2% | 5.1% | 19,536 | 5,051 |
| AT | 40,038 | 42,171 | 48,815 | 64,373 | 75,132 | 68,956 | 72.2% | -8.2% | 28,918 | -6,176 |
| PL | 341,100 | 385,422 | 428,405 | 463,174 | 513,972 | 573,358 | 68.1% | 11.6% | 232,258 | 59,386 |
| PT | 55,901 | 82,851 | 75,577 | 64,970 | 64,459 | 85,074 | 52.2% | 32.0% | 29,173 | 20,615 |
| RO | 44,459 | 51,939 | 57,194 | 46,871 | 50,855 | 84,743 | 90.6% | 66.6% | 40,284 | 33,888 |
| SI | 65,871 | 83,898 | 103,303 | 126,902 | 164,226 | 190,976 | 189.9% | 16.3% | 125,105 | 26,750 |
| SK | 48,924 | 56,442 | 89,494 | 98,383 | 112,028 | 112,978 | 130.9% | 0.8% | 64,054 | 950 |
| FI | 6,223 | 6,892 | 6,940 | 9,369 | 8,155 | 8,061 | 29.5% | -1.2% | 1,838 | -94 |
| SE | 6,152 | 11,664 | 10,951 | 12,502 | 11,456 | 10,710 | 74.1% | -6.5% | 4,558 | -746 |
| UK | 43,100 | 41,049 | 33,092 | 44,332 | 49,210 | 49,496 | 14.8% | 0.6% | 6,396 | 286 |
| IS | 306 | 277 | 245 | 283 | 239 | 293 | -4.2% | 22.6% | -13 | 54 |
| LI | 454 | 548 | 646 | 1,239 | 1,343 | 1,024 | 125.6% | -23.8% | 570 | -319 |
| NO | n.a. | n.a. | 3,252 | 3,887 | 4,134 | 4,097 | | -0.9% | | -37 |
| CH | n.a. | 19,077 | 20,649 | 21,305 | 23,887 | 31,291 | | 31.0% | | 7,404 |
| Total | 1,525,123 | 1,741,494 | 1,919,986 | 2,049,192 | 2,291,176 | 2,803,279 | 83.8% | 22.4% | 1,278,156 | 512,103 |
| EU-15 | 882,111 | 976,870 | 1,031,933 | 1,079,800 | 1,181,970 | 1,442,185 | 63.5% | 22.0% | 560,074 | 260,215 |
| EU-13 | 642,252 | 744,722 | 863,261 | 942,678 | 1,079,603 | 1,324,389 | 106.2% | 22.7% | 682,137 | 244,786 |
| EFTA | 760 | 19,902 | 24,792 | 26,714 | 29,603 | 36,705 | 4,729.6% | 24.0% | 35,945 | 7,102 |
| EU-15 | 57.8% | 56.1% | 53.7% | 52.7% | 51.6% | 51.5% | | | | |
| EU-13 | 42.1% | 42.8% | 45.0% | 46.0% | 47.1% | 47.2% | | | | |
| EFTA | 0.0% | 1.1% | 1.3% | 1.3% | 1.3% | 1.3% | | | | |

Source Administrative data PD A1 Questionnaire 2018 and previous years

Figure 3 clearly illustrates the increasing importance of PDs A1 issued for activities in two or more Member States. Firstly, the share of the PDs A1 issued to persons covered by Article 13 in total number of PDs A1 increased by almost 9 percentage points between 2016 and 2017. Secondly, this share already doubled between 2010 and 2016 from 13% to 27%. Finally, it should be noted that the distribution below is based on the number of PDs A1 issued and not on the number of individual persons involved and the number of persons in full-time equivalents. When keeping in mind that under the current rules on social security coordination the period is set at a maximum of 24 months according to Article 12 of Regulation (EC) No 883/2004, while no maximum period for the provision of services in two or more Member States has been determined by Article 13 of this Regulation, it can be expected that the number of persons pursuing activities in two or more Member States is at a similar or even at a higher level than the number of persons covered by Article 12.

Figure 3 Percentage in total number of PDs A1 issued, 2010-2017



Source Administrative data PD A1 Questionnaire 2018 and previous years

3. PERSONS COVERED BY ARTICLE 12

In this chapter the characteristics and the scale of persons falling under Article 12 are described in detail. This is done by making a breakdown by classification of the sending and receiving Member State, by status (employed or self-employed) and by sector of activity. Furthermore, data on the number of individual persons involved and the duration persons are active under Article 12 is reported, in order to gain a better insight into the impact of this group of persons on national labour markets.

As has already been pointed out, due to differences in the scope of posting between the Posting of Workers Directive and the Basic Regulation, this may not fully reflect the characteristics and the scale of posting under the Posting of Workers Directive in the EU.

3.1. General

In 2017, a total of 1.73 million PDs A1 were issued for persons covered by Article 12. Some 1 million PDs A1 based on Article 12 were granted by the EU-15 Member States and some 700,000 by the EU-13 Member States (*Table 6*). The main sending Member States were Germany (332,091 PDs A1), Poland (235,836 PDs A1) and Slovenia (163,876 PDs A1) (*Table 5*).

The detailed breakdown of the information provided by the Member States as a sending country, if exhaustively completed, results in a similar view by receiving Member State. However, this breakdown by receiving Member State is incomplete, as the United Kingdom, Norway and Switzerland did not provide such breakdown. Their number is rather limited compared to the total, so the picture by receiving Member State is relatively complete. The main receiving Member States were Germany (427,175 PDs A1), France (241,363 PDs A1) and Belgium (167,335 PDs A1) (*Table 5*). Especially Germany received a high number of PDs A1, amounting to 25% of the total number of PDs A1 received (*Annex 1 - Table A1.2*). It is the main host Member State for persons sent from Bulgaria, the Czech Republic, Greece, Croatia, Latvia, Lithuania, Hungary, Austria, Poland, Romania, Slovenia and Slovakia. Almost half of the PDs A1 are issued to persons who will be sent to a neighbouring Member State in order to work there for a certain period of time. Even more than 8 out of 10 employed/self-employed persons sent from Belgium and Luxembourg are providing services in a neighbouring Member State.

The breakdown by receiving Member State also makes it possible to determine the main flows between sending and receiving Member States of persons covered by Article 12. *Table 5* illustrates two significant flows: from Poland to Germany (114,979 PDs A1) and from Slovenia to Germany (71,219 PDs A1). It is worth noting that the single flow of persons covered by Article 12 from Poland to Germany decreased by some 16,000 PDs A1 compared to 2016.

There are also flows of more than 40,000 PDs A1: from Slovenia to Austria (48,867 PDs A1), from Germany to Austria (45,475 PDs A1), from Germany to France (44,117 PDs A1), from Germany to the Netherlands (42,935 PDs A1), from Slovakia to Germany (42,180 PDs A1) and finally from Germany to Switzerland (42,093 PDs A1). Especially the flow of persons covered by Article 12 from Germany to France (+19,755 PDs A1), Austria (+15,279 PDs A1) and the Netherlands (+14,557 PDs A1) increased significantly.

Posting of workers

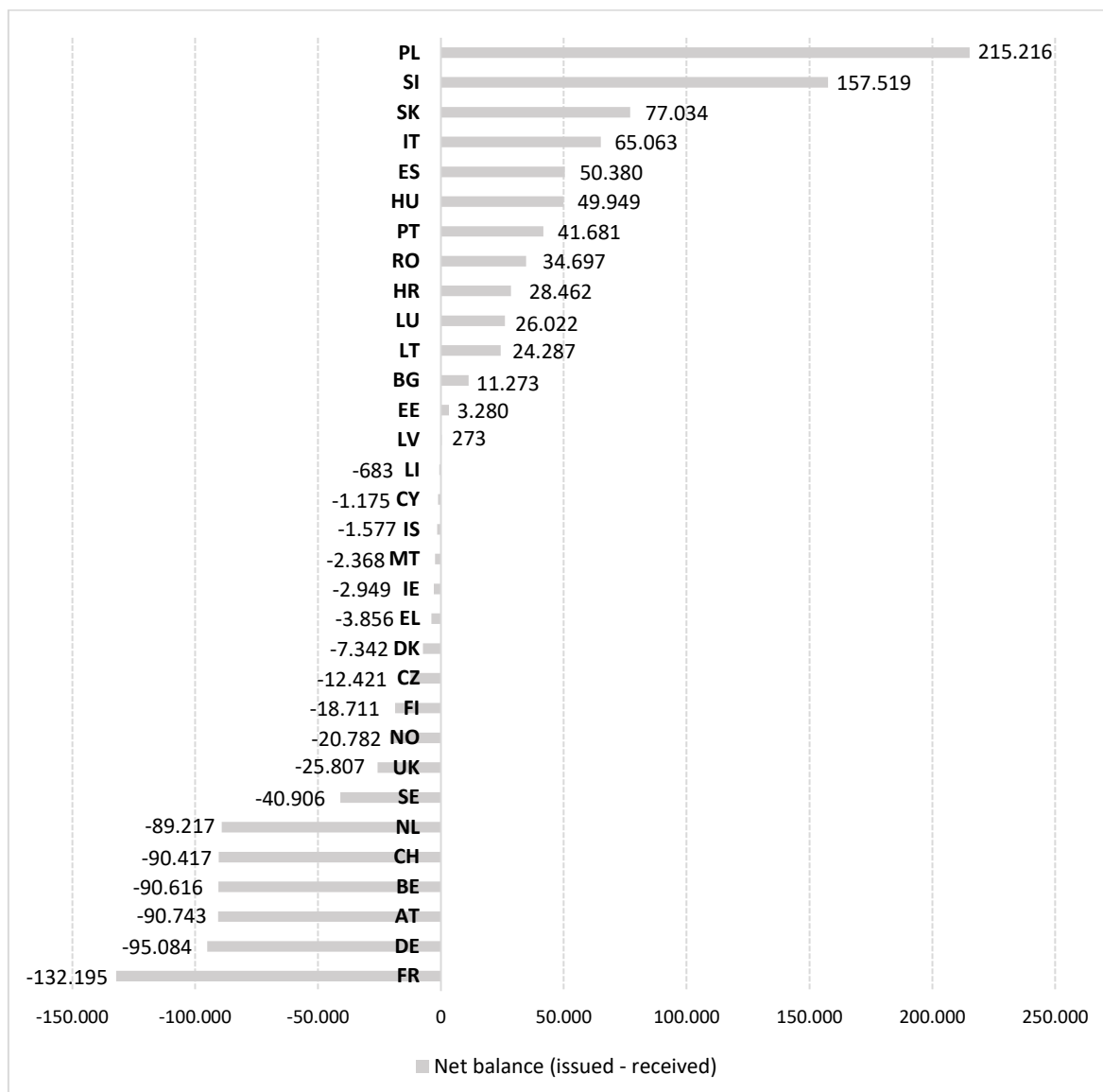
Table 5 PDs A1 issued by competent Member States according to Article 12 of the Basic Regulation, breakdown by receiving Member State, 2017

| | | Sending Member State | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total | | | |
|------------------------|--------|----------------------|--------|-------|---------|--------|-------|-------|---------|---------|--------|---------|--------|-------|--------|--------|--------|--------|--------|--------|---------|---------|--------|---------|--------|--------|-------|--------|-----|-------|-------|--------|-----------|
| | | BE | BG | CZ | DK | DE | EE | IE | EL | ES | FR | HR | IT | CY | LV | LT | LU | HU | MT | NL | AT | PL | PT | RO | SI | SK | FI | SE | UK | | IS | LI | NO |
| Receiving Member State | BE | | 2,510 | 515 | 129 | 26,712 | 11 | 327 | 99 | 5,693 | 22,287 | 1,770 | 6,743 | 2 | 108 | 2,121 | 22,702 | 2,527 | 13 | 9,559 | 879 | 23,657 | 14,860 | 6,767 | 11,643 | 5,525 | 75 | 101 | 0 | 0 | | | 167,335 |
| | BG | 53 | | 31 | 12 | 1,192 | 0 | 1 | 184 | 226 | 465 | 27 | 250 | 0 | 0 | 5 | 41 | 43 | 1 | 31 | 76 | 322 | 9 | 253 | 46 | 226 | 4 | 10 | 0 | 0 | | | 3,508 |
| | CZ | 340 | 43 | | 56 | 4,509 | 1 | 15 | 18 | 1,276 | 1,655 | 239 | 1,122 | 1 | 5 | | 119 | 403 | 0 | 51 | 693 | 2,770 | 133 | 384 | 613 | 9,762 | 14 | 5 | 0 | 0 | | | 24,227 |
| | DK | 492 | 29 | 244 | | 6,869 | 7 | 193 | 19 | 822 | 996 | 286 | 887 | 0 | 71 | 297 | 132 | 372 | 0 | 148 | 303 | 2,015 | 198 | 97 | 397 | 508 | 125 | 77 | 8 | 0 | | | 15,592 |
| | DE | 7,416 | 5,904 | 3,776 | 642 | | 318 | 454 | 1,643 | 17,049 | 16,057 | 27,659 | 14,881 | 7 | 520 | 7,806 | 9,966 | 34,578 | 8 | 4,626 | 24,153 | 114,979 | 3,986 | 16,941 | 71,219 | 42,180 | 182 | 210 | 12 | 3 | | | 427,175 |
| | EE | 41 | 1 | 13 | 7 | 1,490 | | 0 | 4 | 99 | 130 | 8 | 40 | 0 | 17 | 325 | 41 | 1 | 2 | 14 | 155 | 271 | 0 | 219 | 29 | 80 | 30 | 8 | 0 | 0 | | | 3,025 |
| | IE | 204 | 28 | 35 | 29 | 1,718 | 0 | | 23 | 1,114 | 1,036 | 56 | 278 | 0 | 6 | 1 | 133 | 95 | 2 | 49 | 110 | 821 | 232 | 33 | 70 | 68 | 8 | 22 | 0 | 0 | | | 6,171 |
| | EL | 178 | 821 | 114 | 113 | 1,773 | 0 | 10 | | 713 | 1,566 | 37 | 1,368 | 59 | | 8 | 131 | 46 | 0 | 155 | 95 | 301 | 40 | 164 | 74 | 93 | 99 | 151 | 0 | 0 | | | 8,109 |
| | ES | 2,038 | 89 | 422 | 459 | 19,501 | 44 | 39 | 106 | | 11,862 | 121 | 7,950 | 0 | 19 | 91 | 619 | 245 | 6 | 867 | 1,358 | 2,106 | 10,005 | 379 | 1,042 | 524 | 289 | 296 | 10 | 1 | | | 60,488 |
| | FR | 30,540 | 1,629 | 1,049 | 800 | 44,117 | 219 | 390 | 524 | 31,961 | | 719 | 31,157 | 0 | 22 | 2,653 | 20,286 | 1,412 | 23 | 2,690 | 2,518 | 28,210 | 26,270 | 7,096 | 2,310 | 4,110 | 108 | 479 | 71 | 0 | | | 241,363 |
| | HR | 93 | 143 | 91 | 17 | 1,550 | 191 | 0 | 6 | 404 | 493 | | 933 | 0 | 7 | 6 | 37 | 384 | 0 | 19 | 435 | 507 | 22 | 25 | 7,165 | 222 | 22 | 19 | 0 | 0 | | | 12,791 |
| | IT | 1,721 | 420 | 321 | 144 | 16,855 | 122 | 88 | 222 | 9,396 | 10,498 | 1,441 | | 1 | 8 | 105 | 521 | 920 | 45 | 968 | 2,744 | 3,210 | 954 | 6,025 | 6,593 | 1,093 | 95 | 146 | 11 | 2 | | | 64,669 |
| | CY | 37 | 6 | 6 | 11 | 440 | 0 | 2 | 239 | 60 | 99 | 4 | 72 | | | 2 | 18 | 6 | 1 | 16 | 18 | 142 | 6 | 28 | 13 | 7 | 3 | 20 | 0 | 0 | | | 1,256 |
| | LV | 37 | 24 | 3 | 7 | 345 | 19 | 0 | 2 | 125 | 113 | 16 | 30 | 0 | | 244 | 17 | 11 | 0 | 4 | 33 | 242 | 0 | 0 | 53 | 23 | 5 | 3 | 0 | 0 | | | 1,356 |
| | LT | 37 | 152 | 17 | 117 | 432 | 3 | 0 | 2 | 115 | 123 | 13 | 74 | 0 | 24 | | 14 | 4 | 0 | 29 | 24 | 964 | 19 | 5 | 19 | 62 | 9 | 3 | 0 | 0 | | | 2,261 |
| | LU | 7,750 | 5 | 25 | 27 | 14,633 | 0 | 7 | 12 | 348 | 5,199 | 171 | 532 | 0 | 0 | 10 | | 529 | 5 | 219 | 177 | 913 | 754 | 166 | 1,072 | 98 | 7 | 5 | 0 | 0 | | | 32,664 |
| | HU | 171 | 49 | 187 | 73 | 3,145 | 1 | 13 | 11 | 566 | 1,138 | 236 | 784 | 8 | 1 | 2 | 199 | 131 | 0 | 65 | 803 | 1,343 | 30 | 437 | 966 | 2,539 | 18 | 5 | 3 | 0 | | | 111,522 |
| | MT | 47 | 18 | 4 | 17 | 669 | 0 | 3 | 16 | 238 | 394 | 5 | 584 | 0 | 6 | 2 | 83 | 26 | | 12 | 21 | 304 | 1 | 19 | 3 | 15 | 18 | 8 | 0 | 0 | | | 2,513 |
| | NL | 19,123 | 603 | 301 | 194 | 42,935 | 238 | 382 | 517 | 3,698 | 4,100 | 1,003 | 3,035 | 0 | 12 | 3,100 | 740 | 2,715 | 5 | | 1,033 | 14,547 | 2,796 | 2,591 | 3,702 | 4,057 | 57 | 35 | 3 | 0 | | | 111,522 |
| | AT | 785 | 643 | 783 | 310 | 45,475 | 5 | 21 | 20 | 1,179 | 1,360 | 1,038 | 7,984 | 0 | 10 | 79 | 241 | 13,006 | 5 | 563 | | 5,278 | 960 | 1,142 | 48,867 | 11,146 | 58 | 88 | 0 | 0 | | | 141,046 |
| | PL | 445 | 128 | 474 | 78 | 8,467 | 52 | 26 | 23 | 2,256 | 2,410 | 270 | 1,951 | 0 | 4 | 14 | 287 | 535 | 4 | 166 | 632 | | 82 | 178 | 793 | 1,271 | 49 | 25 | 0 | 0 | | | 20,620 |
| | PT | 360 | 9 | 129 | 28 | 3,182 | 0 | 29 | 32 | 14,256 | 2,631 | 77 | 806 | 0 | 2 | 1 | 187 | 12 | 3 | 43 | 175 | 356 | | 34 | 87 | 120 | 49 | 28 | 3 | 0 | | | 22,639 |
| | RO | 173 | 192 | 161 | 27 | 3,594 | 0 | 9 | 152 | 1,681 | 1,583 | 140 | 1,773 | 0 | | 106 | 471 | 0 | 66 | 515 | 756 | 25 | | 184 | 420 | 5 | 3 | 0 | 0 | | | 12,036 | |
| | SI | 78 | 61 | 190 | 7 | 1,070 | 1 | 2 | 3 | 173 | 431 | 2,182 | 663 | 0 | 1 | | 31 | 288 | 0 | 22 | 763 | 210 | 9 | 60 | | 111 | 1 | 0 | 0 | | | 6,357 | |
| | SK | 146 | 307 | 1,604 | 7 | 2,732 | 0 | 1 | 42 | 736 | 625 | 129 | 736 | 0 | 1 | 1 | 40 | 1,505 | 0 | 20 | 541 | 2,752 | 30 | 882 | 774 | 145 | 1 | 2 | 0 | 0 | | | 13,759 |
| | FI | 116 | 278 | 184 | 125 | 4,418 | 3,746 | 54 | 20 | 933 | 1,053 | 923 | 550 | 0 | 117 | 1,706 | 94 | 97 | 6 | 112 | 360 | 4,327 | 278 | 327 | 922 | 1,169 | | 337 | 0 | 0 | | | 22,252 |
| | SE | 440 | 139 | 403 | 440 | 12,806 | 536 | 359 | 32 | 1,472 | 1,336 | 1,188 | 768 | 0 | 369 | 3,152 | 162 | 683 | 0 | 181 | 675 | 13,440 | 791 | 586 | 1,384 | 2,330 | 326 | 0 | 7 | 0 | | | 44,005 |
| | UK | 2,039 | 421 | 321 | 507 | 14,342 | 4 | 497 | 140 | 10,426 | 10,047 | 691 | 4,576 | 0 | 48 | 162 | 987 | 751 | 11 | 984 | 1,657 | 5,824 | 1,042 | 1,263 | 1,290 | 1,318 | 131 | 100 | 8 | 0 | | | 59,587 |
| | IS | 34 | 0 | 8 | 42 | 183 | 5 | 15 | 44 | 86 | 157 | 56 | 16 | 0 | 4 | 37 | 3 | 13 | 0 | 15 | 44 | 912 | 27 | 0 | 16 | 21 | 0 | 1 | | 0 | | | 1,739 |
| | LI | 15 | 0 | 18 | 5 | 282 | 0 | 0 | 2 | 1 | 14 | 0 | 17 | 0 | | | 17 | 41 | 0 | | 264 | 26 | 0 | 0 | 8 | 5 | 0 | 0 | 0 | | | | 715 |
| | NO | 288 | 53 | 105 | 3,595 | 4,555 | 771 | 103 | 4 | 1,058 | 684 | 619 | 782 | 0 | 185 | 4,513 | 58 | 171 | 0 | 131 | 453 | 2,405 | 310 | 300 | 220 | 510 | 128 | 859 | 22 | 0 | | | 22,882 |
| | CH | 1,482 | 76 | 272 | 56 | 42,093 | 11 | 182 | 92 | 2,707 | 8,626 | 129 | 38,390 | 3 | 11 | 105 | 674 | 741 | 5 | 480 | 3,396 | 1,926 | 451 | 332 | 2,302 | 1,035 | 29 | 53 | 4 | 26 | | | 105,689 |
| unkn. | | | | 169 | 7 | | | | 1 | | | | | 51 | | 111 | | | | 5,200 | | | | | | 1,596 | | 33,780 | | | 2,100 | 15,272 | 58,287 |
| Total | 76,719 | 14,781 | 11,806 | 8,250 | 332,091 | 6,305 | 3,222 | 4,253 | 110,868 | 109,168 | 41,253 | 129,732 | 81 | 1,629 | 26,548 | 58,686 | 62,873 | 145 | 22,305 | 50,303 | 235,836 | 64,320 | 46,733 | 163,876 | 90,793 | 3,541 | 3,099 | 33,780 | 162 | 32 | 2,100 | 15,272 | 1,730,562 |
| EU-15 | 73,202 | 13,528 | 8,622 | 3,947 | 255,336 | 5,250 | 2,850 | 3,409 | 99,060 | 90,028 | 37,180 | 81,515 | 69 | 1,312 | 21,292 | 56,901 | 57,988 | 132 | 21,164 | 36,237 | 219,984 | 63,166 | 43,611 | 150,672 | 74,339 | 1,609 | 2,075 | | | 133 | 6 | | |
| EU-13 | 1,698 | 1,124 | 2,781 | 436 | 29,635 | 268 | 72 | 702 | 7,955 | 9,659 | 3,269 | 9,012 | 9 | 66 | 601 | 1,033 | 3,808 | 8 | 515 | 4,709 | 10,583 | 366 | 2,490 | 10,658 | 14,883 | 179 | 111 | 3 | 0 | | | | |
| EFTA | 1,819 | 129 | 403 | 3,698 | 47,113 | 787 | 300 | 142 | 3,852 | 9,481 | 804 | 39,205 | 3 | 200 | 4,655 | 752 | 966 | 5 | 626 | 4,157 | 5,269 | 788 | 632 | 2,546 | 1,571 | 157 | 913 | 26 | 26 | | | | |
| Neighbour | 64,829 | 1,013 | 6,637 | 1,082 | 235,810 | 3,765 | 497 | 184 | 46,217 | 74,529 | 2,418 | 78,194 | 0 | 41 | 258 | 52,954 | 15,654 | 0 | 14,185 | 33,357 | 121,465 | 10,005 | 690 | 63,591 | 24,718 | 484 | 1,273 | 0 | 0 | | | | |

Source Administrative data PD A1 Questionnaire 2018

Figure 4 gives an overview of the net balance per reporting Member State by showing the number of PDs A1 issued **minus** the number of PDs A1 received. Some 14 Member States are net senders (i.e. more PDs A1 issued than received), in particular Poland, Slovenia and Slovakia. The other 18 Member States are net recipients (i.e. more PDs A1 received than issued), in particular France, Germany, Austria, Belgium, Switzerland and the Netherlands.

Figure 4 Net balance between the number of PDs A1 issued and received according to Article 12 of the Basic Regulation, 2017



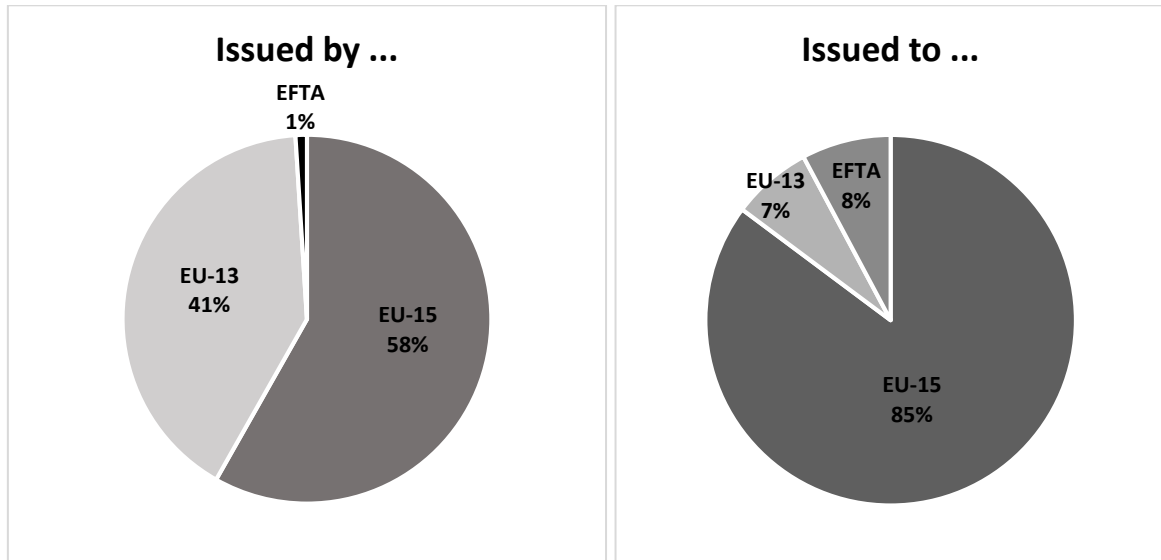
Source Administrative data PD A1 Questionnaire 2018

3.2. Mainly issued by and to EU-15 Member States

Some 58% of the PDs A1 issued according to Article 12 were granted by EU-15 Member States and 41% by EU-13 Member States (*Figure 5 – at the left hand side*). So most PDs A1 issued according to Article 12 are granted by EU-15 Member States. Moreover, the share of EU-15 Member States even increased compared to previous years (it was 56% in 2016), mainly due to the increased number of PDs A1 issued by Germany (+ 100,325 PDs A1) and a declining number of PDs A1 issued by Poland (- 24,163 PDs A1) (see also *Table 6*). Furthermore, approximately 85% of PDs A1 issued

according to Article 12 were received by EU-15 Member States (*Figure 5 – at the right hand side*). Both graphs show that there is not only a flow of persons covered by Article 12 from EU-13 to EU-15 Member States but also across EU-15 Member States.

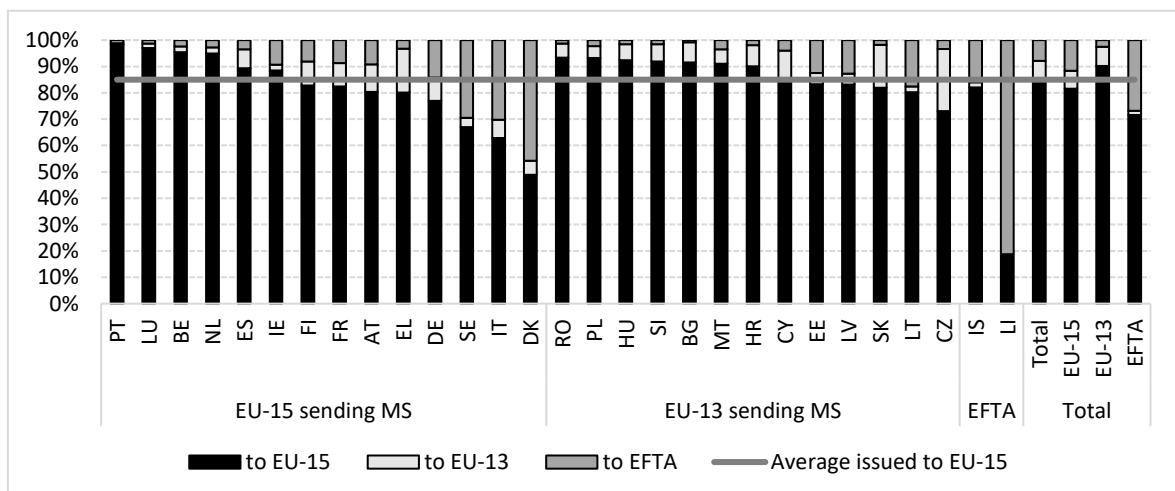
Figure 5 PDs A1 issued according to Article 12 of the Basic Regulation, breakdown by classification of the sending or the receiving Member State, total, 2017



Source Administrative data PD A1 Questionnaire 2018

More than 90% of the PDs A1 issued according to Article 12 by Portugal, Luxembourg, Belgium, the Netherlands, Romania, Poland, Hungary, Slovenia, Bulgaria, Malta and Croatia are to the EU-15 (*Figure 6*). The share of forms issued to the EU-15 is somewhat higher for the EU-13 Member States (90%) than for the EU-15 Member States (82%), mainly because of the higher number of A1 certificates issued by EU-15 Member States to Switzerland compared to the EU-13 Member States.

Figure 6 PDs A1 issued by the sending Member States according to Article 12 of the Basic Regulation, breakdown by classification of the receiving Member State, 2017



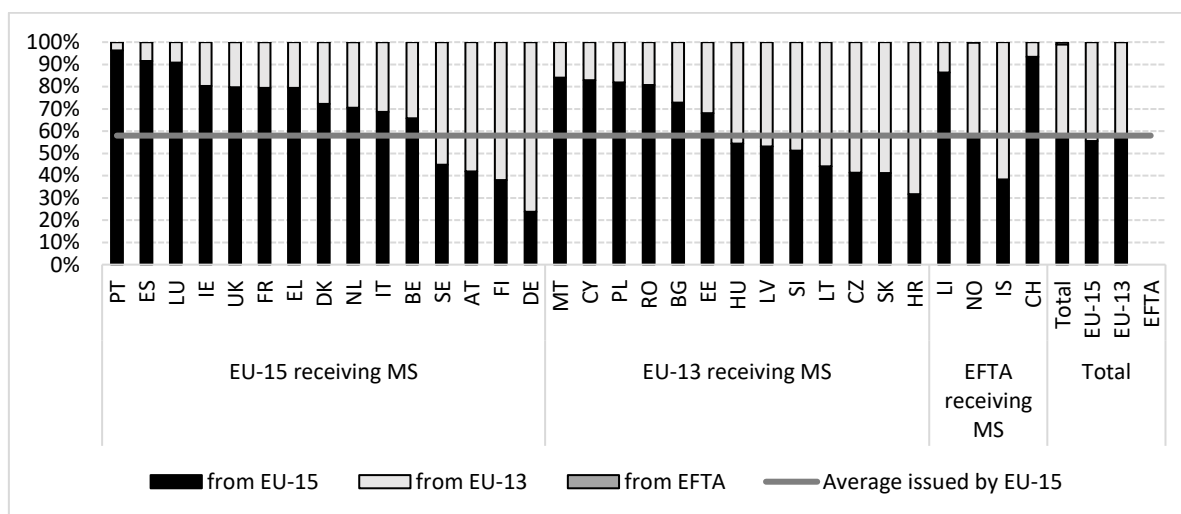
* No breakdown by receiving MS reported by UK, NO and CH .

Source Administrative data PD A1 Questionnaire 2018

The EU-15 Member States received almost equal proportions of PDs A1 issued by EU-15 and EU-13 Member States. Germany, Finland, Austria, Sweden, Croatia, Slovakia, Czech Republic, Lithuania and Iceland received more than 50% of the PDs A1 issued according to Article 12 from the EU-13 (*Figure 7*). On the other hand, PDs A1 issued

according to Article 12 from the EU-15 represent the overwhelming majority (>90%) in Portugal, Spain, Luxembourg and Switzerland.

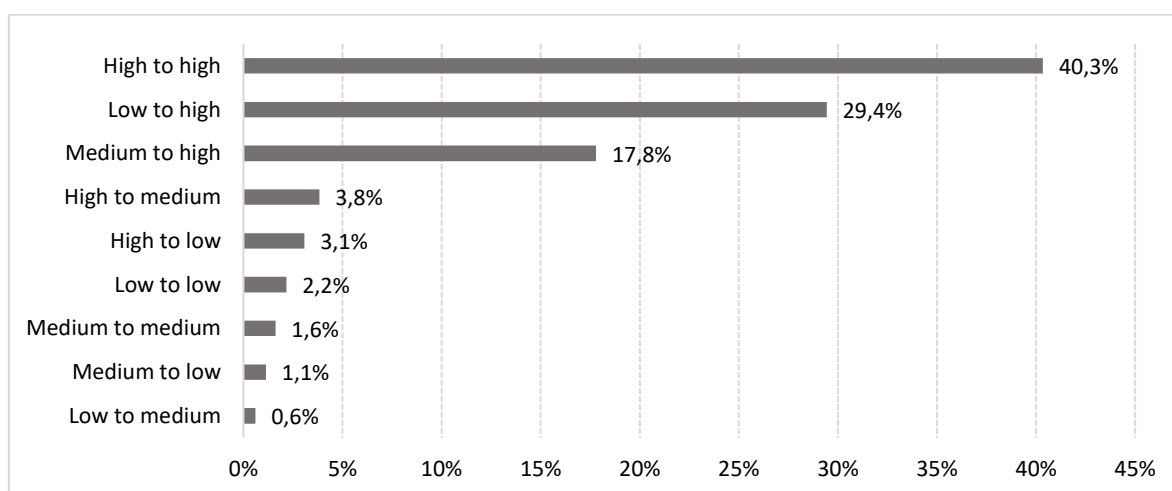
Figure 7 PDs A1 issued according to Article 12 of the Basic Regulation received by the receiving Member States, breakdown by classification of the sending Member State, 2017



* No data reported by UK, NO and CH.
 Source Administrative data PD A1 Questionnaire 2018

Some 40% of the persons covered by Article 12 go from one high-wage Member State to another (Figure 8).¹⁷ The flow from low-wage to high-wage Member States represents some 30% of total PDs A1 issued according to Article 12. Furthermore, 18% of the persons covered by Article 12 are sent from medium-wage to high-wage Member States. Due to a limited number of reporting Member States, it is not possible to repeat this exercise by sector of economic activity, although it would certainly contribute to a better understanding of the flows.

Figure 8 Flow of PDs A1 issued according to Article 12 of the Basic Regulation between EU Member States divided by wage group (high, medium, low), share in total, 2017



* High-wage (above EU average wage, year 2012 - Eurostat): DK, LU, SE, FI, BE, NL, DE, FR, AT, IT, IE, UK, IS, LI, NO and CH; Medium-wage (around EU average, 2012): CY, ES, EL, MT, SI, PT; Low-wage (less than half of the EU average wage): HR, CZ, EE, PL, SK, HU, LV, LT, RO and BG.
 Source Administrative data PD A1 Questionnaire 2018 based on EC, 2016 (see Figure 5).

¹⁷ One could argue that the preponderance of high-to-high flows is dependent on the fact that high-wage countries represent the most numerous group (16 vs 6 medium-wage and 10 low-wage countries).

3.3. Comparison with previous years

Tables 6 and 7 illustrate the evolution of the number of PDs A1 issued and received according to Article 12 between 2010 and 2017.

Compared to 2016, the overall number of PDs A1 issued pursuant to Article 12 increased by more than 100,000 certificates (Table 6). This evolution is mainly the result of an increased number of certificates issued by Germany (+100,000 PDs A1 or +43% compared to 2016). However, an important finding is that the number of PDs A1 issued by the EU-13 Member States according to Article 12 decreased by 1% compared to 2016, mainly due to the strong decline of certificates issued by Poland (-24,163 PDs A1 or -9.3% compared to 2016). Consequently, the number of PDs A1 issued by Poland according to Article 12 is back at the level of 5 years ago.

The number of PDs A1 issued according to Article 12 by Belgium, Czech Republic, Denmark, Germany, Greece Spain, Croatia, Italy, Lithuania, Luxembourg, Hungary, Malta, Portugal, Slovenia, Slovakia, the United Kingdom, Iceland and Switzerland increased compared to 2016. On the contrary, the number of certificates issued by Bulgaria, Estonia, Ireland, France, Cyprus, Latvia, the Netherlands, Austria, Poland, Romania, Finland, Sweden and Liechtenstein decreased.

Table 6 PDs A1 according to Article 12 of the Basic Regulation issued by sending Member States, 2010-2017

| Sending MS | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | Change 2017 vs 2016 | |
|--------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---------------------|----------------|
| | | | | | | | | | % | Numbers |
| BE | 49,862 | 55,931 | 56,103 | 58,522 | 58,611 | 63,467 | 69,836 | 76,719 | 9.9% | 6,883 |
| BG | 5,734 | 7,429 | 11,091 | 12,861 | 13,275 | 14,811 | 15,656 | 14,781 | -5.6% | -875 |
| CZ | 15,829 | 16,102 | 15,358 | 13,155 | 10,380 | 10,799 | 11,145 | 11,806 | 5.9% | 661 |
| DK | 9,262 | 11,491 | 6,176 | 5,320 | 3,869 | 7,288 | 6,508 | 8,250 | 26.8% | 1,742 |
| DE | 201,436 | 226,850 | 221,650 | 227,008 | 232,776 | 218,006 | 231,766 | 332,091 | 43.3% | 100,325 |
| EE | 13,580 | 15,322 | 14,889 | 11,689 | 7,147 | 5,415 | 6,327 | 6,305 | -0.3% | -22 |
| IE | 1,935 | 3,106 | 3,512 | 3,457 | 3,261 | 3,616 | 3,303 | 3,222 | -2.5% | -81 |
| EL | 642 | 888 | 1,661 | 1,688 | 2,325 | 2,908 | 3,941 | 4,253 | 7.9% | 312 |
| ES | 44,087 | 48,479 | 48,132 | 63,519 | 76,286 | 86,943 | 100,469 | 110,868 | 10.4% | 10,399 |
| FR | 133,896 | 144,256 | 130,247 | 123,580 | 119,727 | 130,468 | 132,012 | 109,168 | -17.3% | -22,844 |
| HR | | | 8,716 | 24,060 | 33,381 | 36,142 | 41,253 | 14,253 | 14.1% | 5,111 |
| IT | 35,430 | 35,611 | 48,369 | 55,509 | 69,279 | 83,277 | 106,395 | 129,732 | 21.9% | 23,337 |
| CY | 81 | 38 | 35 | 66 | | 96 | 169 | 81 | -52.1% | -88 |
| LV | 3,424 | 4,287 | 2,846 | 3,237 | 1,655 | 1,801 | 2,446 | 1,629 | -33.4% | -817 |
| LT | 6,462 | 9,515 | 11,306 | 14,105 | 16,683 | 21,430 | 25,371 | 26,548 | 4.6% | 1,177 |
| LU | 55,852 | 39,385 | 39,758 | 28,481 | 50,345 | 50,440 | 55,364 | 58,686 | 6.0% | 3,322 |
| HU | 40,640 | 57,848 | 63,742 | 66,415 | 65,655 | 59,711 | 61,365 | 62,873 | 2.5% | 1,508 |
| MT | 442 | 318 | 327 | 322 | 145 | 88 | 110 | 145 | 31.8% | 35 |
| NL | 15,190 | 25,986 | 24,199 | 25,429 | 37,775 | 27,141 | 28,394 | 22,305 | -21.4% | -6,089 |
| AT | 25,957 | 28,806 | 35,671 | 36,959 | 41,114 | 55,320 | 62,526 | 50,303 | -19.5% | -12,223 |
| PL | 221,126 | 227,930 | 246,214 | 262,714 | 266,745 | 251,107 | 259,999 | 235,836 | -9.3% | -24,163 |
| PT | 58,923 | 54,043 | 54,580 | 81,687 | 74,735 | 64,020 | 62,005 | 64,320 | 3.7% | 2,315 |
| RO | 29,730 | 59,363 | 44,318 | 51,739 | 57,194 | 46,871 | 48,710 | 46,733 | -4.1% | -1,977 |
| SI | 23,944 | 42,485 | 65,727 | 83,659 | 102,920 | 126,153 | 150,922 | 163,876 | 8.6% | 12,954 |
| SK | 28,245 | 40,926 | 44,854 | 52,807 | 73,810 | 80,058 | 89,931 | 90,793 | 1.0% | 862 |
| FI | 2,187 | 2,668 | 3,181 | 3,332 | 2,786 | 3,725 | 3,707 | 3,541 | -4.5% | -166 |
| SE | | 2,993 | 3,339 | 4,622 | 4,306 | 4,287 | 3,611 | 3,099 | -14.2% | -512 |
| UK | 32,109 | 35,368 | 33,148 | 29,935 | 23,501 | 31,708 | 33,647 | 33,780 | 0.4% | 133 |
| IS | 376 | 377 | 293 | 269 | 140 | 179 | 126 | 162 | 28.6% | 36 |
| LI | 61 | 63 | 166 | 119 | 89 | 65 | 65 | 32 | -50.8% | -33 |
| NO | 1,872 | 2,163 | n.a. | n.a. | 3,252 | n.a. | n.a. | 2,100 | | |
| CH | | | n.a. | 10,346 | 10,851 | 10,728 | 11,727 | 15,272 | 30.2% | 3,545 |
| Total | 1,058,314 | 1,200,027 | 1,230,892 | 1,341,267 | 1,454,697 | 1,495,307 | 1,623,695 | 1,730,562 | 6.6% | 106,867 |
| EU-15 | 666,768 | 715,861 | 709,726 | 749,048 | 800,696 | 832,614 | 903,484 | 1,010,337 | 11.8% | 106,853 |
| EU-13 | 389,237 | 481,563 | 520,707 | 581,485 | 639,669 | 651,721 | 708,293 | 702,659 | -0.8% | -5,634 |
| EFTA | 2,309 | 2,603 | 459 | 10,734 | 14,332 | 10,972 | 11,918 | 17,566 | 47.4% | 5,648 |

Source Administrative data PD A1 Questionnaire 2018 and previous years

The increase of the number of PDs A1 according to Article 12 received by the EU-15 Member States (+88,616 PDs A1) is much higher compared to that to the EU-13 Member States (+16,069 PDs A1) (Table 7). Nonetheless, the growth rate of PDs A1

received by an EU-13 Member State increased by 16% compared to 2016. Especially France (+38,344 PDs A1) and to a lesser extent Austria (+20,896 PDs A1) and the Netherlands (+20,649 PDs A1) received a higher number PDs A1 issued to persons falling under Article 12. This evolution might be partially explained by the application of control measures.

Table 7 PDs A1 issued according to Article 12 of the Basic Regulation, by receiving Member State, 2010-2017

| Receiving MS | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | Change 2017 vs 2016 | |
|--------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---------------------|----------------|
| | | | | | | | | | % | Numbers |
| BE | 90,540 | 125,107 | 125,264 | 134,340 | 159,749 | 156,556 | 178,319 | 167,335 | -6.2% | -10,984 |
| BG | 4,483 | 4,006 | 3,896 | 3,805 | 3,267 | 3,325 | 3,867 | 3,508 | -9.3% | -359 |
| CZ | 15,892 | 17,144 | 17,808 | 18,603 | 17,165 | 19,144 | 22,743 | 24,227 | 6.5% | 1,484 |
| DK | 9,608 | 11,002 | 11,044 | 10,763 | 10,869 | 13,352 | 15,698 | 15,592 | -0.7% | -106 |
| DE | 250,054 | 311,361 | 335,862 | 373,666 | 414,220 | 418,908 | 440,065 | 427,175 | -2.9% | -12,890 |
| EE | 1,235 | 1,904 | 2,325 | 2,998 | 2,951 | 2,315 | 3,733 | 3,025 | -19.0% | -708 |
| IE | 5,014 | 6,084 | 4,674 | 5,556 | 3,973 | 4,039 | 5,760 | 6,171 | 7.1% | 411 |
| EL | 10,656 | 7,763 | 6,795 | 4,820 | 4,692 | 5,683 | 6,383 | 8,109 | 27.0% | 1,726 |
| ES | 63,304 | 47,640 | 46,075 | 46,507 | 44,825 | 47,369 | 52,353 | 60,488 | 15.5% | 8,135 |
| FR | 160,532 | 161,954 | 156,490 | 182,219 | 190,848 | 184,695 | 203,019 | 241,363 | 18.9% | 38,344 |
| HR | | | | 1,753 | 4,560 | 7,139 | 9,835 | 12,791 | 30.1% | 2,956 |
| IT | 60,460 | 64,223 | 48,663 | 47,445 | 52,481 | 59,095 | 61,321 | 64,669 | 5.5% | 3,348 |
| CY | 1,702 | 1,042 | 1,106 | 956 | 944 | 716 | 972 | 1,256 | 29.2% | 284 |
| LV | 1,851 | 1,788 | 1,516 | 1,235 | 1,504 | 1,431 | 1,080 | 1,356 | 25.6% | 276 |
| LT | 1,850 | 2,248 | 3,497 | 2,274 | 1,930 | 2,404 | 2,018 | 2,261 | 12.0% | 243 |
| LU | 27,730 | 24,295 | 19,741 | 20,503 | 21,763 | 21,749 | 26,591 | 32,664 | 22.8% | 6,073 |
| HU | 8,457 | 9,924 | 9,900 | 8,887 | 8,955 | 8,743 | 11,312 | 12,924 | 14.3% | 1,612 |
| MT | 1,308 | 1,449 | 1,052 | 952 | 1,062 | 1,453 | 2,318 | 2,513 | 8.4% | 195 |
| NL | 91,560 | 105,885 | 99,416 | 100,423 | 87,817 | 89,411 | 90,873 | 111,522 | 22.7% | 20,649 |
| AT | 59,642 | 76,335 | 76,445 | 88,596 | 101,015 | 108,627 | 120,150 | 141,046 | 17.4% | 20,896 |
| PL | 12,877 | 16,013 | 16,033 | 14,387 | 14,521 | 17,897 | 17,818 | 20,620 | 15.7% | 2,802 |
| PT | 12,193 | 13,345 | 11,422 | 10,696 | 12,833 | 15,374 | 18,109 | 22,639 | 25.0% | 4,530 |
| RO | 9,445 | 10,476 | 11,224 | 10,894 | 9,717 | 10,709 | 10,028 | 12,036 | 20.0% | 2,008 |
| SI | 3,391 | 2,676 | 3,340 | 4,507 | 6,550 | 5,685 | 5,146 | 6,357 | 23.5% | 1,211 |
| SK | 8,692 | 6,876 | 6,641 | 7,010 | 7,648 | 8,141 | 9,694 | 13,759 | 41.9% | 4,065 |
| FI | 20,205 | 22,183 | 22,522 | 19,917 | 16,589 | 18,618 | 21,014 | 22,252 | 5.9% | 1,238 |
| SE | 19,464 | 24,412 | 26,095 | 29,446 | 33,019 | 37,373 | 39,120 | 44,005 | 12.5% | 4,885 |
| UK | 34,321 | 37,247 | 40,366 | 43,522 | 50,893 | 54,344 | 57,226 | 59,587 | 4.1% | 2,361 |
| IS | 543 | 559 | 385 | 392 | 338 | 608 | 1,373 | 1,739 | 26.7% | 366 |
| LI | 572 | 763 | 510 | 925 | 417 | 803 | 842 | 715 | -15.1% | -127 |
| NO | 18,771 | 30,523 | 16,170 | 18,778 | 21,250 | 24,958 | 23,844 | 22,882 | -4.0% | -962 |
| CH | 51,962 | 62,578 | 64,908 | 78,106 | 87,492 | 97,701 | 104,295 | 105,689 | 1.3% | 1,394 |
| Unknown | | | 39,429 | 45,790 | 58,717 | 46,943 | 56,776 | 58,287 | 2.7% | 1,511 |
| Total | 1,058,314 | 1,208,805 | 1,230,614 | 1,340,671 | 1,454,573 | 1,495,307 | 1,623,695 | 1,730,562 | 6.6% | 106,867 |
| EU-15 | 915,283 | 1,038,836 | 1,030,874 | 1,118,419 | 1,205,586 | 1,235,168 | 1,336,001 | 1,424,617 | 6.6% | 88,616 |
| EU-13 | 71,183 | 75,546 | 78,338 | 78,261 | 80,774 | 89,127 | 100,564 | 116,633 | 16.0% | 16,069 |
| EFTA | 71,848 | 94,423 | 81,973 | 98,201 | 109,497 | 124,070 | 130,354 | 131,025 | 0.5% | 671 |

* DK, UK, LI, NO and CH did not provide a breakdown by receiving Member State for 2012, 2013, 2014, 2015, 2016 or 2017, which prevents to draw a complete picture in terms of receiving Member States.

Source Administrative data PD A1 Questionnaire 2018 and previous years

3.4. Breakdown by type: employed or self-employed persons

Data on the number of self-employed persons temporarily working in another Member State are reported below. As mentioned earlier, self-employed persons do not fall into the scope of the Posting of Workers Directive.

On average 7% of the persons covered by Article 12 were self-employed in 2017 (Table 8), which is a similar percentage compared to previous years (7.3% in 2016 and 7.8% in 2015). Especially Slovakia, the Czech Republic, Liechtenstein and Iceland granted a high percentage of PDs A1 to self-employed persons. In absolute terms, this is mainly the case for Slovakia.

The detailed information provided by the reporting Member States results in a similar view by receiving Member State. Especially Switzerland and Sweden received a rather high percentage of PDs A1 for persons covered by Article 12(2).

Table 8 Number of PDs A1 according to Article 12 of the Basic Regulation issued to employed and self-employed persons, 2017

| | Issued | | | | Received | | | |
|--------------|------------------|--------------|----------------|-------------|----------|-------|---------------|-------|
| | Employed | | Self-employed | | Employed | | Self-employed | |
| | Number | % row | Number | % row | Number | % row | Number | % row |
| BE | 72,884 | 95.0% | 3,835 | 5.0% | 148,088 | 93.9% | 9,671 | 6.1% |
| BG | 14,713 | 99.5% | 68 | 0.5% | 3,277 | 94.2% | 200 | 5.8% |
| CZ | 9,017 | 79.7% | 2,293 | 20.3% | 23,165 | 95.8% | 1,011 | 4.2% |
| DK | 8,081 | 98.0% | 169 | 2.0% | 14,524 | 94.0% | 920 | 6.0% |
| DE | 319,332 | 96.2% | 12,759 | 3.8% | 390,136 | 92.3% | 32,524 | 7.7% |
| EE | 6,299 | 99.9% | 6 | 0.1% | 2,894 | 96.1% | 117 | 3.9% |
| IE | 3,016 | 93.6% | 206 | 6.4% | 5,841 | 95.4% | 281 | 4.6% |
| EL | 4,196 | 98.7% | 57 | 1.3% | 7,666 | 96.4% | 287 | 3.6% |
| ES | 103,927 | 93.7% | 6,941 | 6.3% | 57,680 | 96.7% | 1,940 | 3.3% |
| FR | 109,155 | 100.0% | 13 | 0.0% | 228,673 | 95.8% | 10,000 | 4.2% |
| HR | 41,065 | 99.7% | 130 | 0.3% | 12,016 | 94.1% | 756 | 5.9% |
| IT | 116,237 | 89.6% | 13,495 | 10.4% | 60,750 | 95.4% | 2,950 | 4.6% |
| CY | 75 | 92.6% | 6 | 7.4% | 1,196 | 96.5% | 44 | 3.5% |
| LV | 1,529 | 93.9% | 100 | 6.1% | 1,306 | 96.6% | 46 | 3.4% |
| LT | 26,462 | 99.7% | 86 | 0.3% | 2,153 | 96.5% | 78 | 3.5% |
| LU | 58,381 | 99.5% | 305 | 0.5% | 31,767 | 97.9% | 678 | 2.1% |
| HU | 62,225 | 99.0% | 648 | 1.0% | 12,292 | 95.6% | 567 | 4.4% |
| MT | 124 | 85.5% | 21 | 14.5% | 2,429 | 97.1% | 72 | 2.9% |
| NL | 19,231 | 86.2% | 3,074 | 13.8% | 107,048 | 96.0% | 4,474 | 4.0% |
| AT | 45,108 | 89.7% | 5,195 | 10.3% | 129,648 | 92.3% | 10,835 | 7.7% |
| PL | 217,154 | 92.1% | 18,682 | 7.9% | 19,644 | 96.0% | 810 | 4.0% |
| PT | 64,200 | 99.8% | 120 | 0.2% | 21,605 | 95.6% | 991 | 4.4% |
| RO | 46,714 | 100.0% | 19 | 0.0% | 11,614 | 97.0% | 356 | 3.0% |
| SI | 156,347 | 95.4% | 7,529 | 4.6% | 6,135 | 96.8% | 200 | 3.2% |
| SK | 54,883 | 60.4% | 35,910 | 39.6% | 13,051 | 95.0% | 688 | 5.0% |
| FI | 3,295 | 93.1% | 246 | 6.9% | 21,266 | 96.1% | 874 | 3.9% |
| SE | 4,196 | 98.7% | 57 | 1.3% | 39,426 | 90.0% | 4,398 | 10.0% |
| UK | 28,084 | 83.1% | 5,696 | 16.9% | 56,623 | 96.6% | 1,979 | 3.4% |
| IS | 91 | 56.2% | 71 | 43.8% | 1,693 | 98.2% | 31 | 1.8% |
| LI | 8 | 25.0% | 24 | 75.0% | 680 | 95.1% | 35 | 4.9% |
| NO | 1,762 | 83.9% | 338 | 16.1% | 22,343 | 98.2% | 408 | 1.8% |
| CH | 14,174 | 92.8% | 1,098 | 7.2% | 88,993 | 84.6% | 16,208 | 15.4% |
| Total | 1,611,965 | 93.1% | 119,197 | 6.9% | | | | |

Source Administrative data PD A1 Questionnaire 2018

3.5. Breakdown by sector of economic activity

21 Member States provided detailed figures on the sector of economic activity, which accounts for some 60% of the total number of PDs A1 issued according to Article 12.

3.5.1 From the perspective of the sending Member State

Annex 1 – Table 1.3 presents a distribution by sector activity of the PDs A1 issued according to Article 12. The table shows, *inter alia*, that approximately 119,000 PDs A1 issued by Poland according to Article 12 concern a situation in which services are provided abroad in the construction sector. Roughly 53,600 of these certificates are received by Germany.¹⁸

¹⁸ Based on the reported figures by receiving Member State. Detailed figures describing the flow of PDs A1 between sending and receiving Member States by sector of activity are not included in this report. Such data is available for 19 Member States.

The share of the sector of activity in total number of PDs A1 is shown in *Table 9*. In 2017, on average 47% of PDs A1 were issued to persons providing services abroad in the construction sector. Furthermore, 26.5% of the forms were issued for activities in the service sector and 26% for other industrial activities (excluding the construction sector). Finally, only 1% of PDs A1 were issued to provide services in agriculture and fishing.

The figures show that the construction sector is by far the most 'popular' sector. Consequently, most of the reporting Member States issued mainly a PD A1 to persons providing services in the construction industry. Only employed/self-employed persons from France, Cyprus and Finland work mainly in a sector other than construction. A more detailed distribution of the service sector illustrates that almost one out of ten temporary services activities occur in education, the health and social care sector or in other services. Furthermore, a high percentage of persons from the Netherlands and Luxembourg and falling under Article 12 are employed by temporary employment agencies.

Table 9 PDs A1 issued according to Article 12 of the Basic Regulation, from a sending perspective, breakdown by sector of activity, 2017 (row %)

| Sending MS | Agriculture, hunting and fishing NACE A | Industry NACE B to F | | | Services NACE G to T | | | | | | | |
|------------|---|----------------------|------------------------------|----------------|-----------------------------------|--|--|--|---|--|---|---|
| | | Industry Total | of which Construction NACE F | Services Total | Wholesale and retail trade NACE G | Accommodation and food service activities NACE I | Transportation and storage; Information and communication NACE H and J | of which Freight transport by road NACE H - Group 49.4 | Financial and insurance; Real estate; Professional, scientific and technical activities; Administrative and support service activities NACE K, L, M and N | of which Temporary employment agency NACE N - Group 78.2 | Education, health and social work, arts and other services NACE P, Q, R and S | of which Human health and social work activities NACE Q |
| BE* | 0.8% | 20.0% | 17.2% | 79.1% | 0.4% | 0.4% | 13.4% | 0.0% | 14.4% | 0.0% | 41.3% | n.a. |
| BG | | | | | | | | | | | | |
| CZ | 1.4% | 67.5% | 46.2% | 31.1% | 3.2% | 0.4% | 3.9% | 3.0% | 23.0% | n.a. | n.a. | n.a. |
| DK | | | | | | | | | | | | |
| DE | | | | | | | | | | | | |
| EE | 4.5% | 86.3% | 57.7% | 9.2% | 0.6% | 0.7% | 0.3% | 0.0% | 1.4% | 0.2% | 6.1% | 3.0% |
| IE | | | | | | | | | | | | |
| EL | | | | | | | | | | | | |
| ES | | | | | | | | | | | | |
| FR | 0.0% | 46.4% | 7.9% | 53.6% | 6.4% | 1.1% | 7.1% | 0.2% | 21.2% | 3.9% | 17.8% | 0.6% |
| HR | 0.1% | 87.9% | 46.4% | 12.0% | 1.9% | 0.4% | 1.9% | 0.1% | 6.0% | 1.1% | 2.1% | 0.3% |
| IT | | | | | | | | | | | | |
| CY | 0.0% | 60.5% | 1.2% | 39.5% | 4.9% | 6.2% | 7.4% | 0.0% | 18.5% | 0.0% | 2.5% | 0.0% |
| LV | 0.3% | 60.0% | 42.8% | 39.7% | 1.6% | 0.0% | 23.5% | 0.2% | 13.2% | 1.4% | 0.8% | 0.0% |
| LT | 0.3% | 58.1% | 44.8% | 41.6% | 0.1% | 7.7% | 0.5% | 0.5% | 0.0% | 0.0% | 0.0% | 0.0% |
| LU | 0.0% | 51.6% | 38.0% | 48.4% | 3.9% | 0.1% | 2.4% | 0.1% | 38.6% | 16.7% | 3.2% | 0.4% |
| HU | 0.0% | 85.4% | 56.5% | 14.6% | 3.1% | 2.1% | 4.3% | 1.7% | 2.1% | 0.0% | 3.6% | 1.0% |
| MT | 0.0% | 23.4% | 0.0% | 76.6% | 0.0% | 0.0% | 1.4% | 0.0% | 66.9% | 0.0% | 8.3% | 0.0% |
| NL | 0.9% | 33.2% | 1.3% | 65.9% | 5.0% | 3.5% | 3.5% | 1.0% | 22.1% | 20.8% | 31.8% | 0.2% |
| AT | 1.3% | 74.4% | 52.5% | 24.4% | 8.2% | 0.7% | 1.7% | 0.2% | 4.8% | 0.9% | 9.0% | 1.0% |
| PL | 2.1% | 68.4% | 50.6% | 29.5% | 1.4% | 0.2% | 3.5% | 3.0% | 7.0% | 5.1% | 17.3% | 3.6% |
| PT | 0.3% | 79.0% | 55.7% | 20.6% | 1.9% | 0.1% | 0.4% | 0.2% | 18.0% | 5.7% | 0.2% | 0.0% |
| RO | 0.9% | 81.4% | 51.6% | 17.7% | 1.2% | 0.1% | 8.2% | 0.0% | 5.4% | 0.0% | 0.0% | 2.9% |
| SI | 0.2% | 98.4% | 68.4% | 1.4% | 1.0% | 0.0% | 0.2% | 0.0% | 0.0% | 0.0% | 0.1% | 0.0% |
| SK | 0.9% | 78.3% | 43.5% | 20.9% | 2.1% | 0.3% | 2.0% | 1.4% | 1.8% | 0.9% | 14.3% | 3.9% |
| FI | 0.3% | 53.5% | 12.5% | 46.2% | 1.5% | 0.2% | 4.5% | 1.5% | 13.2% | 0.5% | 26.4% | 0.0% |
| SE | 0.4% | 34.7% | 13.7% | 64.9% | 5.4% | 0.1% | 7.7% | n.a. | 36.7% | n.a. | 15.0% | 0.8% |
| UK | | | | | | | | | | | | |
| IS | 2.0% | 0.0% | 7.3% | 98.0% | 0.0% | 0.0% | 6.7% | 0.7% | 17.3% | 0.0% | 74.0% | 0.0% |
| LI | | | | | | | | | | | | |
| NO | | | | | | | | | | | | |
| CH | | | | | | | | | | | | |
| Total | 0.9% | 72.5% | 46.5% | 26.7% | 2.5% | 0.7% | 3.1% | 1.1% | 9.6% | 3.8% | 9.6% | 1.7% |

* BE : Only figures for self-employed persons are reported.

Source Administrative data PD A1 Questionnaire 2018

3.5.2 From the perspective of the receiving Member State

By using the detailed figures reported by 21 sending Member States a fragmented picture can be presented of the services provided in the receiving Member States by

persons falling under Article 12. It is worth noting that due to the limited number of reporting Member States, an incomplete dataset from the perspective of the receiving Member State is obtained. It follows that some caution is required when drawing general conclusions. Nonetheless these fragmented data present an interesting view on the distribution of persons falling under Article 12 by sector of activity in the receiving Member States.

Most of the workers sent to Belgium, Denmark, Germany, Estonia, France, Croatia, Latvia, Luxembourg, the Netherlands, Austria, Finland, Sweden, Iceland, Liechtenstein and Norway provide services in the construction sector of the host Member State (*Table 10*). Furthermore, most of the services received by Bulgaria, Ireland, Greece, Spain, Italy, Cyprus, Lithuania, Hungary, Malta, Portugal, Romania, Slovenia and Switzerland are provided in the service sector. For instance, some Member States received a high percentage of services in the health and social care sector. The percentage of persons covered by Article 12 and employed by temporary employment agencies will be an underestimation for all receiving Member States as not all reporting Member States were able to provide such detailed information. Nonetheless, the figures indicate that a high number of persons providing services in France and Belgium on the basis of Article 12 are employed by temporary employment agencies.

Table 10 PDs A1 issued according to Article 12 of the Basic Regulation, from a receiving perspective, breakdown by sector of activity, 2017 (row %)

| Receiving MS | Agriculture, hunting and fishing NACE A | Industry NACE B to F | | | Services NACE G to T | | | | | | | |
|--------------|---|----------------------|------------------------------|----------------|-----------------------------------|--|--|--|---|--|---|---|
| | | Industry Total | of which Construction NACE F | Services Total | Wholesale and retail trade NACE G | Accommodation and food service activities NACE I | Transportation and storage; Information and communication NACE H and J | of which Freight transport by road NACE H - Group 49.4 | Financial and insurance; Real estate; Professional, scientific and technical activities; Administrative and support service activities NACE K, L, M and N | of which Temporary employment agency NACE N - Group 78.2 | Education, health and social work, arts and other services NACE P, Q, R and S | of which Human health and social work activities NACE Q |
| BE | 0.5% | 73.0% | 48.9% | 26.5% | 2.3% | 0.5% | 1.6% | 0.4% | 14.6% | 8.2% | 6.9% | 0.3% |
| BG | 0.1% | 45.7% | 27.1% | 54.3% | 2.9% | 1.1% | 24.5% | 7.8% | 13.0% | 1.4% | 10.5% | 0.6% |
| CZ | 0.8% | 69.7% | 24.0% | 29.5% | 5.0% | 0.2% | 3.1% | 1.3% | 6.9% | 2.8% | 13.7% | 0.8% |
| DK | 1.4% | 70.3% | 35.3% | 28.3% | 3.4% | 0.4% | 4.9% | 1.7% | 8.8% | 0.5% | 9.4% | 0.9% |
| DE | 1.0% | 77.1% | 51.6% | 21.9% | 2.0% | 0.7% | 2.4% | 1.5% | 4.9% | 2.1% | 10.3% | 3.4% |
| EE | 0.1% | 73.4% | 40.4% | 26.5% | 1.1% | 0.0% | 10.8% | 8.4% | 7.1% | 0.1% | 7.8% | 0.3% |
| IE | 0.1% | 56.1% | 29.9% | 43.8% | 5.4% | 2.7% | 10.4% | 4.5% | 18.2% | 1.0% | 12.6% | 1.2% |
| EL | 0.0% | 26.9% | 12.5% | 73.1% | 3.0% | 0.9% | 8.0% | 4.0% | 29.7% | 1.2% | 25.9% | 2.2% |
| ES | 0.1% | 58.4% | 25.2% | 41.5% | 4.5% | 0.7% | 5.2% | 0.8% | 18.7% | 1.6% | 11.6% | 0.9% |
| FR | 0.4% | 65.3% | 43.9% | 34.3% | 2.1% | 0.2% | 1.7% | 0.5% | 22.3% | 12.6% | 7.3% | 0.5% |
| HR | 0.6% | 82.0% | 65.3% | 17.4% | 2.7% | 0.8% | 2.6% | 1.3% | 7.6% | 0.1% | 3.0% | 0.3% |
| IT | 0.5% | 53.4% | 22.5% | 46.0% | 4.3% | 1.3% | 11.4% | 0.6% | 13.0% | 0.9% | 15.6% | 1.1% |
| CY | 0.3% | 26.5% | 13.4% | 73.2% | 3.6% | 0.3% | 29.2% | 26.8% | 22.4% | 0.3% | 16.4% | 1.4% |
| LV | 0.1% | 68.8% | 50.8% | 31.1% | 1.4% | 0.0% | 15.7% | 14.4% | 5.2% | 0.7% | 6.6% | 0.4% |
| LT | 0.1% | 57.8% | 36.1% | 42.1% | 6.3% | 0.0% | 9.1% | 8.0% | 5.0% | 0.0% | 21.6% | 0.3% |
| LU | 0.1% | 70.7% | 48.4% | 29.2% | 2.2% | 1.1% | 4.5% | 2.0% | 12.1% | 3.8% | 9.5% | 0.6% |
| HU | 2.1% | 57.1% | 16.9% | 40.9% | 6.0% | 0.1% | 5.4% | 2.2% | 9.8% | 3.6% | 17.6% | 0.3% |
| MT | 0.7% | 30.4% | 9.0% | 68.9% | 8.5% | 1.5% | 18.7% | 11.6% | 18.0% | 2.8% | 20.4% | 0.6% |
| NL | 4.8% | 66.3% | 35.2% | 28.9% | 2.7% | 0.4% | 2.6% | 0.5% | 6.1% | 1.9% | 12.2% | 1.3% |
| AT | 0.4% | 85.5% | 64.3% | 14.1% | 1.9% | 0.9% | 3.1% | 1.2% | 3.3% | 0.5% | 5.5% | 0.6% |
| PL | 0.5% | 68.9% | 22.8% | 30.6% | 4.7% | 0.3% | 2.9% | 0.3% | 13.0% | 1.3% | 10.3% | 0.4% |
| PT | 0.5% | 36.9% | 6.4% | 62.6% | 10.8% | 0.8% | 9.7% | 3.2% | 22.8% | 0.9% | 16.0% | 1.4% |
| RO | 0.6% | 58.2% | 20.5% | 41.2% | 4.1% | 0.3% | 9.9% | 6.8% | 13.6% | 1.5% | 13.1% | 0.6% |
| SI | 0.9% | 57.9% | 26.4% | 41.2% | 3.7% | 0.6% | 5.1% | 2.6% | 16.8% | 6.8% | 10.5% | 0.5% |
| SK | 1.0% | 70.5% | 25.8% | 28.5% | 3.9% | 0.7% | 6.2% | 1.5% | 12.1% | 0.7% | 8.5% | 0.5% |
| FI | 1.8% | 81.6% | 53.8% | 16.6% | 1.2% | 0.1% | 1.5% | 0.7% | 3.8% | 0.2% | 7.5% | 0.0% |
| SE | 0.5% | 87.8% | 67.2% | 11.7% | 1.0% | 0.2% | 2.0% | 0.9% | 2.6% | 0.4% | 4.7% | 0.1% |
| UK | 0.1% | 60.3% | 27.8% | 39.7% | 3.9% | 0.9% | 6.3% | 0.6% | 16.0% | 3.4% | 12.0% | 1.1% |
| IS | 0.0% | 85.7% | 66.6% | 14.3% | 0.6% | 1.2% | 2.1% | 1.1% | 6.3% | 0.2% | 3.9% | 0.0% |
| LI | 0.0% | 68.1% | 39.0% | 31.9% | 7.6% | 0.0% | 10.6% | 4.9% | 3.8% | 1.1% | 4.9% | 0.3% |
| NO | 0.4% | 72.8% | 53.9% | 26.8% | 1.4% | 7.9% | 2.0% | 0.6% | 4.6% | 0.2% | 3.5% | 0.1% |
| CH | 0.6% | 55.1% | 27.8% | 44.3% | 6.9% | 1.0% | 4.8% | 0.4% | 11.8% | 0.8% | 19.1% | 1.1% |
| Total | 0.9% | 72.5% | 46.5% | 26.7% | 2.5% | 0.7% | 3.1% | 1.1% | 9.6% | 3.8% | 9.5% | 1.7% |

* By using the detailed figures reported by 21 sending Member States, which accounts for some 60% of the total number of PDs A1 issued.

Source Administrative data PD A1 Questionnaire 2018

3.6. The number of individual persons involved

As mentioned earlier, the number of PDs A1 issued according to Article 12 is not necessarily equal to the number of persons involved. A total of 21 Member States reported figures on the number of individual persons involved. The number of individual persons involved is only half of the number of PDs A1 issued for these persons (*Table 11*). It means that one person falling under Article 12 is sent abroad almost two times.

However, the relationship between the PDs A1 and the persons involved differs markedly among the reporting Member States. Whereas the number of individual persons involved is only some 30% of the number of PDs A1 issued by Luxembourg and Slovenia, the number of individual persons involved is equal to the number of PDs A1 issued by Greece and Iceland. Figures for Poland show that on average, one individual employed/self-employed person was sent abroad two times in 2017.

These kinds of figures are really important to calculate the impact on national employment, as this is a better numerator than the number of forms granted. Moreover, it also useful to make an estimate of the total number of individual persons covered by Article 12. On the basis of the reported figures it is estimated that some 900,000 individual persons received a PD A1 according to Article 12 in 2017.¹⁹

Table 11 Number of individual persons who received a PD A1 according to Article 12 of the Basic Regulation, 2017

| | Individual number of persons who received a PD A1 (A) | Number of PDs A1 issued (B) | A/B | B/A |
|----------------------------------|---|-----------------------------|------------|------------|
| BE | | | | |
| BG | 11,282 | 14,781 | 76% | 1.3 |
| CZ | 9,680 | 11,806 | 82% | 1.2 |
| DK | 5,390 | 8,250 | 65% | 1.5 |
| DE | | | | |
| EE | 4,907 | 6,305 | 78% | 1.3 |
| IE | 2,567 | 3,222 | 80% | 1.3 |
| EL | 4,253 | 4,253 | 100% | 1.0 |
| ES | | | | |
| FR | 58,932 | 109,168 | 54% | 1.9 |
| HR | 30,176 | 41,253 | 73% | 1.4 |
| IT | 73,921 | 129,732 | 57% | 1.8 |
| CY | 72 | 81 | 89% | 1.1 |
| LV | 1,402 | 1,629 | 86% | 1.2 |
| LT | | | | |
| LU | 17,708 | 58,686 | 30% | 3.3 |
| HU | 43,233 | 62,873 | 69% | 1.5 |
| MT | | | | |
| NL | | | | |
| AT | | | | |
| PL | 116,948 | 235,836 | 50% | 2.0 |
| PT | 33,305 | 64,320 | 52% | 1.9 |
| RO | | | | |
| SI | 47,698 | 163,876 | 29% | 3.4 |
| SK | 58,091 | 90,793 | 64% | 1.6 |
| FI | 1,928 | 3,541 | 54% | 1.8 |
| SE | 2,702 | 3,099 | 87% | 1.1 |
| UK | | | | |
| IS | 162 | 162 | 100% | 1.0 |
| LI | | | | |
| NO | 1,618 | 2,100 | 77% | 1.3 |
| CH | | | | |
| Total reported | 525,975 | 1,015,766 | 52% | 1.9 |
| Estimate total individual | 896,104* | 1,730,562 | | |

* Figure obtained by applying the percentage of 52% to all missing Member States.
Source Administrative data PD A1 Questionnaire 2018

¹⁹ This by assuming for those Member States that did not provide data on the number of persons involved that on average one individual person was sent abroad almost two times (1.9) in 2017.

3.7. The average duration

The period persons can pursue an activity under Article 12 is set at a maximum of 24 months according to Article 12. This does not necessarily imply that this is also the real duration. Some 17 sending Member States reported figures on the average duration for 2017.

The average duration persons are active under Article 12 was 98 days in 2017. This is the total weighted²⁰ EU average calculated on the basis of the replies of the 17 reporting Member States (*Table 12*). The unweighted average amounts to 146 days (same duration as in 2016).

The period differs to a large extent among the sending Member States. Luxembourg and France report a duration of almost less than a month. By contrast, Estonia, Ireland, Croatia, Latvia, Hungary and Finland all reported an average period of more than 200 days. The average duration for Poland amounts to 127 days.

It cannot be excluded that average figures are strongly influenced by the sector of activity in which the person is employed. However, a question that asks for more detailed figures on the average duration by sector of activity is not included in the PD A1 Questionnaire.

Table 12 Average duration of the period that persons are active under Article 12, in days, from a sending perspective, 2017

| | Average duration per PD A1 issued according to Art. 12 BR (A) | Number of times sent abroad during the year (B) | Average duration per individual person involved (A*B) |
|--------|---|---|---|
| BE | | | |
| BG | | | |
| CZ | 151 | 1.2 | 184 |
| DK | 89 | 1.5 | 136 |
| DE | | | |
| EE | 222 | 1.3 | 285 |
| IE | 228 | 1.3 | 286 |
| EL | | | |
| ES | | | |
| FR | 35 | 1.9 | 65 |
| HR | 261 | 1.4 | 357 |
| IT | 61 | 1.8 | 107 |
| CY | | | |
| LV | 270 | 1.2 | 314 |
| LT | | | |
| LU | 14 | 3.3 | 46 |
| HU | 222 | 1.5 | 323 |
| MT | | | |
| NL | | | |
| AT | | | |
| PL | 127 | 2.0 | 256 |
| PT | 118 | 1.9 | 228 |
| RO | | | |
| SI | 62 | 3.4 | 213 |
| SK | 72 | 1.6 | 113 |
| FI | 211 | 1.8 | 388 |
| SE | | | |
| UK | | | |
| IS | 159 | 1.0 | 159 |
| LI | | | |
| NO | 175 | 1.3 | 227 |
| CH | | | |
| Total* | 98 | 1.9 | 191 |

* The total unweighted average duration per PD A1 issued according to Article 12 BR is 146 days.

Source Administrative data PD A1 Questionnaire 2018

²⁰ Based on the total number of PDs A1 issued by the reporting Member States.

By multiplying the average duration by the number of times a person is sent during the year it is possible to estimate the average duration an individual person covered by Article 12 was temporarily employed in another Member State (*Table 12*). The fact that the average duration is 98 days and that the person is sent almost two times per year makes that an individual person is abroad 191 days on average. However, it is worth noting that this period may cover more than one reference year as a maximum period of 24 months has been determined. Therefore, the individual person was not necessarily sent for a period of 191 days during the same year.

3.8. The impact on national labour markets

The number of individual persons covered by Article 12 could be compared to the total number of employed/self-employed persons in the sending Member States to determine the relative importance of this activity. Since such data are not available for all Member States, an alternative is to use the number of PDs A1 issued to persons covered by Article 12. However, this will result into an overestimation of the relative impact.

In 2017, an equivalent of 0.4% of EU employment could be related to the employment of persons covered by Article 12 (*Table 13*). The most striking figure is obtained for Slovenia, as some 5% of the Slovenian employed population is sent abroad. In addition, more than 1% of the employed population in Luxembourg (4.1%), Slovakia (2.3%) and Croatia (1.9%) provided services abroad in 2017. This is in contrast to Finland, Ireland, Norway and Iceland, which show a very low percentage of their employed population sent abroad (0.1% and lower).

By using the additional data about the duration this group of persons is active in another Member State, the relative weight of such activities on the labour market in terms of full-time equivalents (FTEs)²¹ could be estimated. Such data are only available for 17 Member States. In 2017, an equivalent of 0.2% of employment in FTEs could be related to persons covered by Article 12 (weighted average).

²¹ "A full-time equivalent is a unit to measure employed persons in a way that makes them comparable although they may work a different number of hours per week. For example, a part-time worker employed for 20 hours a week where full-time work consists of 40 hours, is counted as 0.5 FTE" (source: Eurostat).

Table 13 Share of persons falling under Article 12 of the Basic Regulation in national employment, by sending Member State, 2017

| | Total employed persons (in ,000) | Forms | % of employed persons | Persons | % of employed persons | Persons in FTE* | % of employed persons in VTE |
|-------------------|----------------------------------|------------------|-----------------------|----------------|-----------------------|-----------------|------------------------------|
| BE | 4,638 | 76,719 | 1.7% | | | | |
| BG | 3,150 | 14,781 | 0.5% | 11,282 | 0.4% | | |
| CZ | 5,222 | 11,806 | 0.2% | 9,680 | 0.2% | 4,884 | 0.1% |
| DK | 2,816 | 8,250 | 0.3% | 5,390 | 0.2% | 2,012 | 0.1% |
| DE | 41,664 | 332,091 | 0.8% | | | | |
| EE | 659 | 6,305 | 1.0% | 4,907 | 0.7% | 3,830 | 0.6% |
| IE | 2,194 | 3,222 | 0.1% | 2,567 | 0.1% | 2,013 | 0.1% |
| EL | 3,753 | 4,253 | 0.1% | 4,253 | 0.1% | | |
| ES | 18,825 | 110,868 | 0.6% | | | | |
| FR | 26,880 | 109,168 | 0.4% | 58,932 | 0.2% | 10,468 | 0.0% |
| HR | 1,625 | 41,253 | 2.5% | 30,176 | 1.9% | 29,499 | 1.9% |
| IT | 23,023 | 129,732 | 0.6% | 73,921 | 0.3% | 21,681 | 0.1% |
| CY | 380 | 81 | 0.0% | 72 | 0.0% | | |
| LV | 895 | 1,629 | 0.2% | 1,402 | 0.2% | 1,205 | 0.1% |
| LT | 1,355 | 26,548 | 2.0% | | | | |
| LU | 433 | 58,686 | 21.6% | 17,708 | 4.1% | 2,251 | 0.9% |
| HU | 4,421 | 62,873 | 1.4% | 43,233 | 1.0% | 38,241 | 0.9% |
| MT | 212 | 145 | 0.1% | | | | |
| NL | 8,605 | 22,305 | 0.3% | | | | |
| AT | 4,260 | 50,303 | 1.2% | | | | |
| PL | 16,423 | 235,836 | 1.4% | 116,948 | 0.7% | 82,058 | 0.5% |
| PT | 4,757 | 64,320 | 1.4% | 33,305 | 0.7% | 20,794 | 0.5% |
| RO | 8,671 | 46,733 | 0.5% | | | | |
| SI | 959 | 163,876 | 17.1% | 47,698 | 5.0% | 27,836 | 3.1% |
| SK | 2,531 | 90,793 | 3.6% | 58,091 | 2.3% | 17,915 | 0.7% |
| FI | 2,473 | 3,541 | 0.1% | 1,928 | 0.1% | 2,047 | 0.1% |
| SE | 5,022 | 3,099 | 0.1% | 2,702 | 0.1% | | |
| UK | 31,963 | 33,780 | 0.1% | | | | |
| IS | 194 | 162 | 0.1% | 162 | 0.1% | 71 | 0.0% |
| LI | n.a. | 32 | n.a. | | | | |
| NO | 2,644 | 2,100 | 0.1% | 1,618 | 0.1% | 1,007 | 0.0% |
| CH | 4,637 | 15,272 | 0.3% | | | | |
| Total | 235,281 | 1,730,562 | 0.8% | | | | 0.2% |
| Estimate** | | | | 896,104 | 0.4% | 466,448 | |

* In order to estimate the number of persons in FTEs, the average duration was divided by 365 days, because figures were collected in terms of 'calendar days' and not in terms of 'working days', and afterwards multiplied by the number of PDs A1 issued.

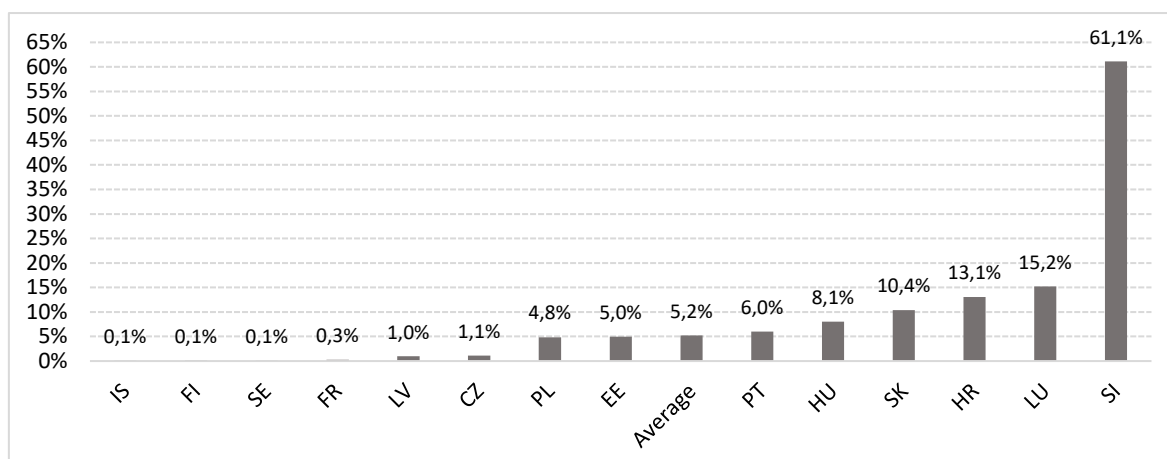
** Sum of figures reported and estimate for those Member States who did not provide data (average % is applied to these Member States).

Source Administrative data PD A1 Questionnaire 2018 and Eurostat [lfsa_egan2]

By using data about the sector of activity a more detailed analysis could be made of the share of persons with a PD A1 issued according to Article 12 in national employment by sector of activity. The findings for the construction sector, which is the most popular sector for such activities, are shown in *Figure 9* for 14 reporting Member States from a sending perspective. The reported figures are calculated on the basis of the reported number of persons involved and thus not on the number of PDs A1 issued.

A remarkable high number of some 6 out of 10 employed persons in the Slovenian construction sector were sent abroad. Furthermore, also the Luxembourg (15%), Croatian (13%), Slovakian (10%) and Hungarian (8%) construction sectors sent a high percentage of persons abroad. On average 5% workers residing in one of these 14 reporting Member States were sent abroad to provide services in the construction sector.

Figure 9 Estimated share of individual persons falling under Article 12 of the Basic Regulation in total employment in construction, by sending Member State, 2017

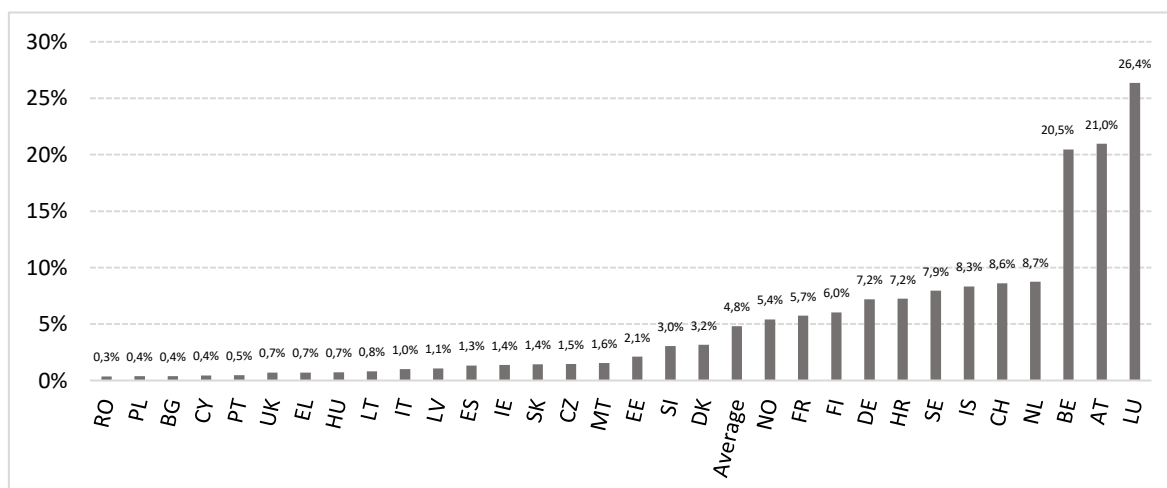


Source Administrative data PD A1 Questionnaire 2018 and Eurostat [lfsa_egan2]

Also from the perspective of the receiving Member State the impact of persons covered by Article 12 on national labour markets could be estimated on the basis of the number of PDs A1 issued according to Article 12 received and the breakdown by sector of activity. However, there are some caveats that should be taken into account. Firstly, the estimate is based on the number of forms received and not on the number of individual employed/self-employed persons involved. This implies an overestimation of the share of persons covered by Article 12. Secondly, only the impact of activities according to Article 12 on receiving Member States is described. No such data exist for persons active in two or more Member States according to Article 13. Finally, the distribution by sector of activity is based on *Table 10*. This means that the distribution is based on the figures provided by 21 reporting Member States. Nonetheless, this gives a very useful overview of the Member States which receive a high number of persons covered by Article 12 in relative terms. In addition, detailed figures for the construction sector are reported.

Mainly in the construction sector of Luxembourg, Austria and Belgium persons covered by Article 12 are an important type of employment (*Figure 10*). Furthermore, also the construction sectors in the Netherlands, Switzerland, Iceland receive a relatively high number of persons covered by Article 12 compared to the national employment in this sector of activity. The share of such activities in total employment of the construction sector amounts to some 5%.

Figure 10 Estimated share of PDs A1 issued according to Article 12 of the Basic Regulation in total employment in construction, by receiving perspective, 2017



Source Administrative data PD A1 Questionnaire 2018 and Eurostat [lfsa_egan2]

4. PERSONS COVERED BY ARTICLE 13

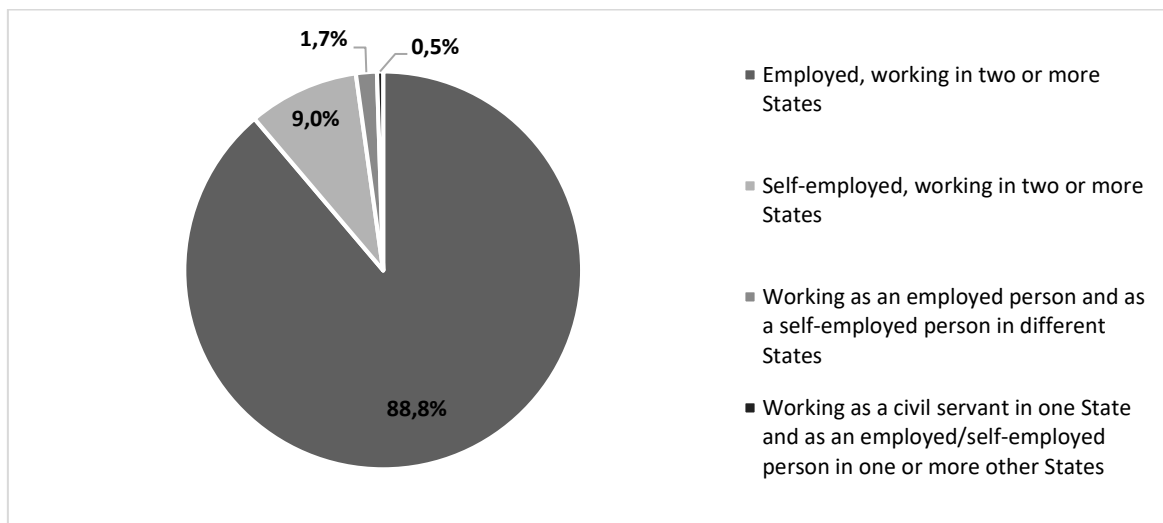
Detailed figures on persons who are active in two or more Member States (i.e. persons covered by Article 13) are reported in this Chapter. The need for a more detailed profile of persons active in two or more Member States recently emerged as the number of PDs A1 issued to this group of persons has strongly increased over the past few years. Moreover, in some cases persons covered by Article 13 might also be posted under the conditions of the Posting of Workers Directive. It should be recalled that no information is produced concerning the place of cross-border activities under Article 13, hence no data is available as regards the receiving Member State.

4.1. Breakdown by type of activity

A total of 1,025,377 PDs A1 were issued to persons covered by Article 13. The main issuing Member State is Poland as it has issued almost 325,000 PDs A1 or almost a third of A1 certificates issued to persons pursuing activities in two or more Member States (*Table 14*).

More detailed information has been collected on the type of activity of these persons. On average 89% of these forms relate to persons employed in different Member States, including workers posted under the terms and conditions of the Posting of Workers Directive (*Figure 11*). Also, 9% of these forms were issued to self-employed persons who are active in two or more Member States. Only 1.7% of the forms were issued to persons who are both employed and self-employed in different Member States. Finally, a limited number of forms were issued to persons who work as a civil servant in one Member State and as an employed or self-employed person in one or more other Member States.

Figure 11 Total number of PDs A1 issued for persons active in two or more Member States, breakdown by type of activity, 2017



Source Administrative data PD A1 Questionnaire 2018

Most Member States issued almost exclusively PDs A1 related to activities in two or more Member States to persons *employed* in different Member States (*Table 14*). Only the United Kingdom, Czech Republic, Iceland, Belgium, Poland, Norway and Spain issued a relatively high percentage to persons *self-employed* in different Member States (*more than 10% of the forms issued related to activities in two or more Member States*). Finally, the United Kingdom and Germany granted a high number of forms (*more than 2,000 PDs A1*) to persons who are both *employed and self-employed* in different Member States.

Table 14 Total number of PDs A1 issued for persons active in two or more Member States by the sending Member State, breakdown by type of activity, 2017

| | Employed, working in two or more States | | Self-employed, working in two or more States | | Working as an employed person and as a self-employed person in different States | | Working as a civil servant in one State and as an employed/self-employed person in one or more other States | | Total active in two or more States | |
|--------------|---|--------------|--|-------------|---|-------------|---|-------------|------------------------------------|-------------|
| | Number | Row % | Number | Row % | Number | Row % | Number | Row % | Number | Row % |
| BE | 46,906 | 81.9% | 9,197 | 16.1% | 1,140 | 2.0% | 30 | 0.1% | 57,273 | 100% |
| BG | 20,336 | 96.4% | 367 | 1.7% | 403 | 1.9% | 0 | 0.0% | 21,106 | 100% |
| CZ | 43,120 | 77.4% | 10,583 | 19.0% | 1,972 | 3.5% | 25 | 0.0% | 55,700 | 100% |
| DK | 26,981 | 97.4% | 427 | 1.5% | 176 | 0.6% | 104 | 0.4% | 27,688 | 100% |
| DE | 55,876 | 88.9% | 2,652 | 4.2% | 2,957 | 4.7% | 1,392 | 2.2% | 62,877 | 100% |
| EE | 12,360 | 99.2% | 42 | 0.3% | 50 | 0.4% | 4 | 0.0% | 12,456 | 100% |
| IE | 3,600 | 86.1% | 382 | 9.1% | 193 | 4.6% | 5 | 0.1% | 4,180 | 100% |
| EL | 2,249 | 76.9% | 560 | 19.1% | 106 | 3.6% | 11 | 0.4% | 2,926 | 100% |
| ES | 68,488 | 88.2% | 9,087 | 11.7% | 88 | 0.1% | 0 | 0.0% | 77,663 | 100% |
| FR | 895 | 97.7% | 0 | 0.0% | 21 | 2.3% | 0 | 0.0% | 916 | 100% |
| HR | 13,224 | 94.3% | 572 | 4.1% | 204 | 1.5% | 23 | 0.2% | 14,023 | 100% |
| IT | 18,720 | 91.9% | 1,316 | 6.5% | 251 | 1.2% | 72 | 0.4% | 20,359 | 100% |
| CY | 3,313 | 85.7% | 52 | 1.3% | 503 | 13.0% | 0 | 0.0% | 3,868 | 100% |
| LV | 16,978 | 98.2% | 135 | 0.8% | 176 | 1.0% | 0 | 0.0% | 17,289 | 100% |
| LT | 43,018 | 99.8% | 11 | 0.0% | 70 | 0.2% | 0 | 0.0% | 43,099 | 100% |
| LU | 12,987 | 91.2% | 285 | 2.0% | 963 | 6.8% | 3 | 0.0% | 14,238 | 100% |
| HU | 18,681 | 95.6% | 298 | 1.5% | 561 | 2.9% | 0 | 0.0% | 19,540 | 100% |
| MT | 776 | 93.8% | 24 | 2.9% | 27 | 3.3% | 0 | 0.0% | 827 | 100% |
| NL | 71,262 | 89.3% | 7,616 | 9.5% | 839 | 1.1% | 106 | 0.1% | 79,823 | 100% |
| AT | 15,420 | 86.6% | 1,323 | 7.4% | 789 | 4.4% | 278 | 1.6% | 17,810 | 100% |
| PL | 283,445 | 87.2% | 39,325 | 12.1% | 800 | 0.2% | 1,429 | 0.4% | 324,999 | 100% |
| PT | 19,979 | 99.5% | 30 | 0.1% | 59 | 0.3% | 2 | 0.0% | 20,070 | 100% |
| RO | 37,247 | 99.4% | 112 | 0.3% | 111 | 0.3% | 0 | 0.0% | 37,470 | 100% |
| SI | 25,150 | 94.7% | 1,167 | 4.4% | 217 | 0.8% | 25 | 0.1% | 26,559 | 100% |
| SK | 19,395 | 89.4% | 1,492 | 6.9% | 789 | 3.6% | 20 | 0.1% | 21,696 | 100% |
| FI | 3,157 | 95.3% | 65 | 2.0% | 41 | 1.2% | 51 | 1.5% | 3,314 | 100% |
| SE | 4,610 | 69.5% | 257 | 3.9% | 292 | 4.4% | 1,476 | 22.2% | 6,635 | 100% |
| UK | 7,549 | 54.6% | 3,838 | 27.7% | 2,438 | 17.6% | 13 | 0.1% | 13,838 | 100% |
| IS | 65 | 68.4% | 17 | 17.9% | 4 | 4.2% | 9 | 9.5% | 95 | 100% |
| LI | 974 | 99.8% | 0 | 0.0% | 1 | 0.1% | 1 | 0.1% | 976 | 100% |
| NO | 1,140 | 62.3% | 216 | 11.8% | 451 | 24.7% | 22 | 1.2% | 1,829 | 100% |
| CH | 12,461 | 87.5% | 849 | 6.0% | 887 | 6.2% | 38 | 0.3% | 14,235 | 100% |
| Total | 910,362 | 88.8% | 92,297 | 9.0% | 17,579 | 1.7% | 5,139 | 0.5% | 1,025,377 | 100% |

Source Administrative data PD A1 Questionnaire 2018

4.2. Comparison with previous years

The number of PDs A1 issued for persons covered by Article 13 increased from 168,279 PDs A1 issued in 2010 to more than 1 million PDs A1 issued in 2017 (*Table 15*). This is a remarkable growth within a short period of time. Moreover, the number of PDs A1 issued to persons covered by Article 13 even increased by more than 400,000 certificates compared to 2016, representing a growth rate of 64%.

Most of the Member States have granted much more PDs A1 compared to the previous year. This is particularly the case for Poland (+ 76,785 PDs A1), Germany (+ 40,099), Lithuania (+ 38,361), Romania (+36,042) and Spain (+33,323 PDs A1) in absolute terms. In addition, both Romania and Portugal show a very high growth rate. Only France, Greece, Sweden and Liechtenstein granted less certificates to persons active in two or more Member States.

Table 15 Total number of PDs A1 issued for persons active in two or more Member States by the sending Member States, 2010-2017

| Sending MS | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | Change 2017 vs 2016 | |
|--------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|---------------------|----------------|
| | | | | | | | | | % | Numbers |
| BE | 18,208 | 19,857 | 2,320 | 23,714 | 20,146 | 21,181 | 33,414 | 57,273 | 71.4% | 23,859 |
| BG | n.a. | n.a. | 577 | 1,093 | 833 | 737 | 3,593 | 21,106 | 487.4% | 17,513 |
| CZ | 4,099 | 4,770 | 8,520 | 17,435 | 20,859 | 25,442 | 35,672 | 55,700 | 56.1% | 20,028 |
| DK | 5,027 | 5,336 | 11,043 | 17,744 | 15,999 | 21,924 | 22,288 | 27,688 | 24.2% | 5,400 |
| DE | 16,799 | 21,631 | 15,229 | 21,651 | 16,445 | 16,962 | 22,778 | 62,877 | 176.0% | 40,099 |
| EE | 2,297 | 3,159 | 3,511 | 4,048 | 7,654 | 9,672 | 11,411 | 12,456 | 9.2% | 1,045 |
| IE | 556 | 1,036 | 4,061 | 3,822 | 4,177 | 3,875 | 3,694 | 4,180 | 13.2% | 486 |
| EL | 0 | 7 | 228 | 443 | 1,273 | 1,854 | 2,932 | 2,926 | -0.2% | -6 |
| ES | 13,718 | 17,776 | 26,633 | 36,152 | 33,496 | 36,957 | 44,340 | 77,663 | 75.2% | 33,323 |
| FR | 897 | 5,540 | 9,367 | 5,792 | 4,451 | 7,667 | 3,259 | 916 | -71.9% | -2,343 |
| HR | n.a. | n.a. | n.a. | 662 | 927 | 1,516 | 2,581 | 14,023 | 443.3% | 11,442 |
| IT | 1,619 | 1,813 | 2,112 | 2,041 | 2,932 | 5,755 | 5,458 | 20,359 | 273.0% | 14,901 |
| CY | 515 | 1,497 | 2,244 | 2,113 | 1,830 | 2,795 | 3,263 | 3,868 | 18.5% | 605 |
| LV | 273 | 523 | 1,657 | 3,095 | 3,001 | 3,877 | 6,602 | 17,289 | 161.9% | 10,687 |
| LT | 2,061 | 1,457 | 2,141 | 2,611 | 2,012 | 3,288 | 4,738 | 43,099 | 809.6% | 38,361 |
| LU | 4,987 | 4,206 | 4,323 | 3,802 | 11,376 | 11,773 | 12,629 | 14,238 | 12.7% | 1,609 |
| HU | 4 | 66 | 1,339 | 1,920 | 1,930 | 3,470 | 3,498 | 19,540 | 458.6% | 16,042 |
| MT | 3 | 2 | 0 | 0 | 115 | 77 | 219 | 827 | 277.6% | 608 |
| NL | 44,822 | 44,788 | 58,569 | 68,554 | 75,236 | 65,359 | 68,377 | 79,823 | 16.7% | 11,446 |
| AT | n.a. | n.a. | 3,606 | 4,258 | 6,392 | 8,137 | 11,624 | 17,810 | 53.2% | 6,186 |
| PL | 44,018 | 81,770 | 94,877 | 118,599 | 156,452 | 207,947 | 248,214 | 324,999 | 30.9% | 76,785 |
| PT | 24 | 31 | 981 | 878 | 257 | 347 | 892 | 20,070 | 2,150.0% | 19,178 |
| RO | n.a. | n.a. | 73 | 109 | 1,171 | 646 | 1,428 | 37,470 | 2,523.9% | 36,042 |
| SI | 429 | 66 | 127 | 208 | 210 | 406 | 13,132 | 26,559 | 102.2% | 13,427 |
| SK | 1,311 | 561 | 3,403 | 3,162 | 16,059 | 17,890 | 21,692 | 21,696 | 0.0% | 4 |
| FI | 1,881 | 1,911 | 1,953 | 2,181 | 2,532 | 3,928 | 3,230 | 3,314 | 2.6% | 84 |
| SE | n.a. | 728 | 2,637 | 3,786 | 6,396 | 7,408 | 6,801 | 6,635 | -2.4% | -166 |
| UK | 4,559 | 6,054 | 8,243 | 9,243 | 7,327 | 10,389 | 13,478 | 13,838 | 2.7% | 360 |
| IS | 34 | 15 | 6 | 8 | 102 | 69 | 70 | 95 | 35.7% | 25 |
| LI | 138 | 125 | 285 | 423 | 548 | 1,174 | 1,278 | 976 | -23.6% | -302 |
| NO | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | 1,829 | | |
| CH | n.a. | n.a. | n.a. | 7,586 | 8,258 | 9,267 | 11,193 | 14,235 | 27.2% | 3,042 |
| Total | 168,279 | 224,725 | 270,065 | 367,133 | 430,396 | 511,789 | 623,778 | 1,025,377 | 64.4% | 401,599 |
| EU-15 | 113,097 | 130,714 | 151,305 | 204,061 | 208,435 | 223,516 | 255,194 | 409,610 | 60.5% | 154,416 |
| EU-13 | 55,010 | 93,871 | 118,469 | 155,055 | 213,053 | 277,763 | 356,043 | 598,632 | 68.1% | 242,589 |
| EFTA | 172 | 140 | 291 | 8,017 | 8,908 | 10,510 | 12,541 | 17,135 | 36.6% | 4,594 |

Source Administrative data PD A1 Questionnaire 2018 and previous years

4.3. Breakdown by sector of economic activity

Detailed information has been collected on the sector of activity of those persons who are covered by Article 13. A total of 15 Member States provided such data, which accounts for some 48% of the total number of PDs A1 issued to persons active in two or more Member States.

Annex 1 – Table 1.4 presents a distribution by economic sector of the PDs A1 granted by the sending Member States to persons covered by Article 13. The table shows, *inter alia*, that some 170,000 PDs A1 are granted by Poland to persons employed in the freight transport sector by road.

The percentage distribution by economic activity is shown in *Table 16*. Half of the forms are issued to persons employed in the road freight transport sector. Especially Lithuania, Croatia and Slovakia granted a high percentage of forms to persons active in this sector of activity, while Poland makes up the lion's share in absolute terms – in line with the importance of international road freight transport in the country's economy.

The reader will have noticed that the distribution by sector of activity strongly differs from the one for persons covered by Article 12. For instance, 'only' 18% of the forms issued to persons covered by Article 13 are applicable to the construction sector.

Table 16 Total number of PDs A1 issued for persons active in two or more Member States, breakdown by economic activity, from a sending perspective, 2017 (row %)

| Sending MS | Agriculture, hunting and fishing NACE A | Industry NACE B to F | | | Services NACE G to T | | | | | | | | |
|------------|---|----------------------|------------------------------|----------------|-----------------------------------|--|--|--|---|--|---|---|--|
| | | Industry Total | of which Construction NACE F | Services Total | Wholesale and retail trade NACE G | Accommodation and food service activities NACE I | Transportation and storage; Information and communication NACE H and J | of which Freight transport by road NACE H - Group 49.4 | Financial and insurance; Real estate; Professional, scientific and technical activities; Administrative and support service activities NACE K, L, M and N | of which Temporary employment agency NACE N - Group 78.2 | Education, health and social work, arts and other services NACE P, Q, R and S | of which Human health and social work activities NACE Q | |
| BE* | 0.2% | 20.9% | 16.4% | 79.0% | 2.2% | 0.4% | 29.6% | n.a. | 9.6% | n.a. | 27.8% | n.a. | |
| BG | | | | | | | | | | | | | |
| CZ | | | | | | | | | | | | | |
| DK | | | | | | | | | | | | | |
| DE | | | | | | | | | | | | | |
| EE | 2.8% | 79.9% | 59.2% | 17.3% | 0.4% | 0.1% | 12.6% | 11.2% | 2.3% | 0.4% | 1.9% | 0.8% | |
| EL | | | | | | | | | | | | | |
| ES | | | | | | | | | | | | | |
| FR | 0.0% | 18.8% | 1.0% | 81.2% | 1.7% | 4.3% | 8.0% | 5.7% | 66.5% | 0.0% | 0.7% | 0.7% | |
| HR | 1.1% | 11.5% | 3.1% | 87.4% | 6.2% | 0.1% | 75.7% | 62.6% | 4.5% | 0.4% | 1.0% | 0.3% | |
| IT | | | | | | | | | | | | | |
| CY | 0.0% | 40.4% | 4.4% | 59.6% | 2.0% | 7.8% | 40.7% | 5.8% | 5.7% | 0.0% | 2.7% | 0.4% | |
| LV | 0.5% | 34.9% | 0.3% | 64.5% | 3.2% | 0.2% | 51.8% | 48.1% | 7.5% | 0.6% | 1.8% | 0.0% | |
| LT | 0.4% | 13.6% | 13.1% | 85.9% | 0.0% | 0.0% | 84.0% | 84.0% | 0.0% | 0.0% | 0.0% | 0.0% | |
| LU | 1.0% | 31.6% | 8.3% | 67.4% | 4.1% | 0.1% | 52.1% | 34.1% | 10.4% | 0.0% | 0.7% | 0.1% | |
| HU | 0.0% | 87.2% | 51.9% | 12.8% | 1.5% | 2.0% | 1.8% | 1.7% | 2.9% | 0.0% | 4.6% | 3.4% | |
| MT | 0.0% | 2.3% | 0.0% | 97.7% | 0.0% | 48.5% | 46.9% | 46.9% | 2.1% | 0.0% | 0.2% | 0.0% | |
| NL | | | | | | | | | | | | | |
| AT | 1.3% | 46.2% | 20.0% | 52.4% | 6.9% | 0.5% | 23.2% | 14.6% | 11.1% | 4.2% | 10.4% | 0.7% | |
| PL | 0.6% | 23.0% | 18.4% | 76.4% | 2.8% | 0.1% | 52.8% | 52.5% | 1.9% | 0.8% | 18.8% | 12.7% | |
| PT | | | | | | | | | | | | | |
| RO | | | | | | | | | | | | | |
| SI | | | | | | | | | | | | | |
| SK | 0.1% | 6.7% | 0.0% | 93.2% | 0.5% | 0.3% | 67.5% | 67.5% | 1.4% | 0.4% | 23.4% | 0.8% | |
| FI | | | | | | | | | | | | | |
| SE | 0.5% | 39.7% | 14.3% | 59.8% | 11.7% | 0.4% | 10.0% | n.a. | 20.8% | n.a. | 16.3% | 5.7% | |
| UK | | | | | | | | | | | | | |
| IS | | | | | | | | | | | | | |
| LI | 0.2% | 33.7% | 0.0% | 66.1% | 0.1% | 1.0% | 55.0% | 55.0% | 6.3% | 4.3% | 3.8% | 0.0% | |
| NO | | | | | | | | | | | | | |
| CH | | | | | | | | | | | | | |
| Total | 0.6% | 26.2% | 17.8% | 73.2% | 2.6% | 0.3% | 52.4% | 50.1% | 2.8% | 0.6% | 14.7% | 8.6% | |

* BE: Only figures for self-employed are reported.

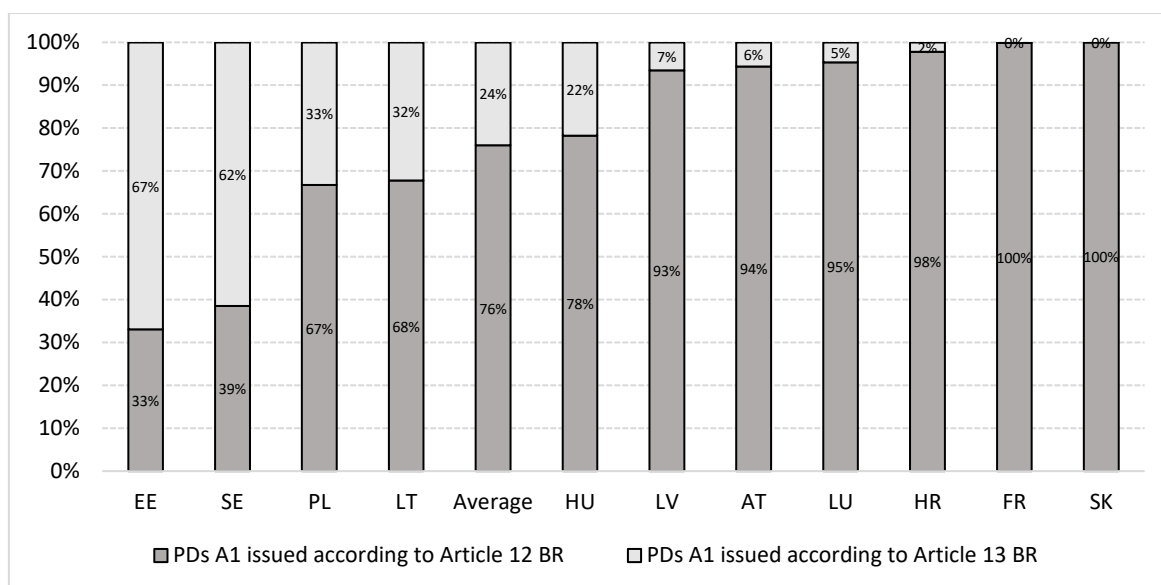
Source Administrative data PD A1 Questionnaire 2018

In particular the construction sector employs a high number of persons covered by Article 12 (see Table 9) and persons covered by Article 13 (see Table 16). In some cases persons covered by Article 13 might also be posted under the conditions of the Posting of Workers Directive. Moreover, the conditions determined by Articles 12 and 13 strongly differ.

On average almost 8 out of 10 PDs A1 granted to persons employed in the construction sector are issued to persons covered by Article 12 and only 2 out of 10 PDs A1 to persons covered by Article 13 (Figure 12). However, in terms of individual persons and the volume of work the difference between Article 12 and Article 13 will be (much) smaller.²² Almost all reporting Member States issued a higher number of PDs A1 to persons covered by Article 12. Only Estonia and Sweden are an exception to this. As the main sending Member State Poland granted 2 out of 3 PDs A1 to persons covered by Article 12 and some 1 out of 3 PDs A1 to persons covered by Article 13.

²² Such calculations are not included in this reported as only a very limited number of Member States reported all the required data.

Figure 12 Share of Articles 12 and 13 of Regulation (EC) No 883/2004 in total number of PDs A1 issued to persons employed in the construction sector, 2017



Source Administrative data PD A1 Questionnaire 2018

4.4. The number of individual persons involved

The number of PDs A1 issued according to Article 13 is not necessarily equal to the number of persons involved. Several PDs A1 could be issued to the same person during the reference year. In addition, as no maximum period for the provision of services in two or more Member States is set by Article 13, a person could be active in two or more Member States for several years. However, the latter are not counted. This shows that both the number of PDs A1 issued in 2017 (i.e. annual flow) to persons covered by Article 13 and the number of PDs A1 in circulation for this group of persons (i.e. stock) are interesting indicators. This remark also holds for Article 12.

Based on the input from 17 Member States, the number of individual persons active in two or more Member States is some 83% of the number of PDs A1 issued for these persons (*Table 17*). This means that one person received some 1.2 PDs A1 during reference year 2017. The number of individual persons is almost equal to the number of PDs A1 issued by Ireland, Croatia, Slovakia and Iceland. Poland, which is the main issuing Member State, issued a certificate to 268,861 persons covered by Article 13. On the basis of the reported figures it is estimated that some 850,000 individual persons received a PD A1 according to Article 13 in 2017.²³

²³ This by assuming for those Member States that did not provide data on the number of persons involved that on average one individual person was sent abroad 1.2 times.

Table 17 Number of individual persons employed in two or more Member States, 2017

| Sending MS | Individual number of persons (A) | Number of PDs A1 issued (B) | A/B | B/A |
|---------------------------|----------------------------------|-----------------------------|------|-----|
| BE | | | | |
| BG | 19,034 | 21,106 | 90% | 1.1 |
| CZ | 47,324 | 55,700 | 85% | 1.2 |
| DK | | | | |
| DE | | | | |
| EE | 10,316 | 12,456 | 83% | 1.2 |
| IE | 3,930 | 4,180 | 94% | 1.1 |
| EL | | | | |
| ES | | | | |
| FR | 622 | 916 | 68% | 1.5 |
| HR | 14,000 | 14,023 | 100% | 1.0 |
| IT | 15,301 | 20,359 | 75% | 1.3 |
| CY | 3,353 | 3,868 | 87% | 1.2 |
| LV | 14,589 | 17,289 | 84% | 1.2 |
| LT | | | | |
| LU | 11,797 | 14,238 | 83% | 1.2 |
| HU | 15,918 | 19,540 | 81% | 1.2 |
| MT | | | | |
| NL | | | | |
| AT | | | | |
| PL | 268,861 | 324,999 | 83% | 1.2 |
| PT | | | | |
| RO | | | | |
| SI | 19,480 | 26,559 | 73% | 1.4 |
| SK | 20,134 | 21,696 | 93% | 1.1 |
| FI | 2,127 | 3,314 | 64% | 1.6 |
| SE | 4,717 | 6,635 | 71% | 1.4 |
| UK | | | | |
| IS | 86 | 95 | 91% | 1.1 |
| LI | | | | |
| NO | | | | |
| CH | | | | |
| Total reported | 471,589 | 566,973 | 83% | 1.2 |
| Estimate total individual | 853,676* | 1,025,377 | | |

* Figure obtained by applying the percentage of 83% to all missing Member States.

Source Administrative data PD A1 Questionnaire 2018

4.5. The average duration

As mentioned earlier, no maximum period for the provision of services in two or more Member States is set by Article 13. A total of 14 Member States were able to provide figures on the average duration persons are active in two or more Member states.

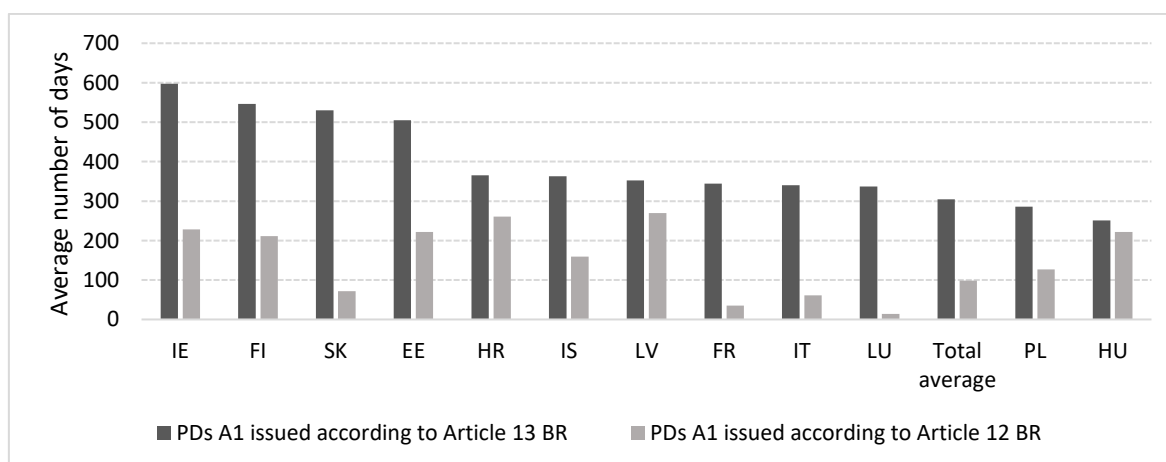
The average duration of persons covered by Article 13 is 305 days per PD A1 (*Table 18*). Nonetheless, the average duration per PD A1 varies markedly among the reporting Member States from some 181 days for the Czech Republic to some 597 days in Ireland. By multiplying the average duration by the number of times a person has received a PD A1 it is possible to estimate the average duration a person is active in two or more Member States. On average an individual person is active during a complete year in two or more Member States.

Table 18 Average duration services are provided in two or more Member States, in days, from a sending perspective, 2017

| | Average duration per form (A) | Number of forms issued per individual (B) | Average duration per individual worker (A*B) |
|-------|-------------------------------|---|--|
| BE | | | |
| BG | | | |
| CZ | 181 | 1.2 | 213 |
| DK | | | |
| DE | | | |
| EE | 505 | 1.2 | 610 |
| IE | 597 | 1.1 | 635 |
| EL | | | |
| ES | | | |
| FR | 344 | 1.5 | 507 |
| HR | 365 | 1.0 | 366 |
| IT | 340 | 1.3 | 452 |
| CY | | | |
| LV | 352 | 1.2 | 418 |
| LT | | | |
| LU | 337 | 1.2 | 407 |
| HU | 251 | 1.2 | 308 |
| MT | | | |
| NL | | | |
| AT | | | |
| PL | 286 | 1.2 | 346 |
| PT | | | |
| RO | 348 | | |
| SI | | | |
| SK | 530 | 1.1 | 571 |
| FI | 546 | 1.6 | 851 |
| SE | | | |
| UK | | | |
| IS | 363 | 1.1 | 401 |
| LI | | | |
| NO | | | |
| CH | | | |
| Total | 305 | 1.2 | 366 |

Source Administrative data PD A1 Questionnaire 2018

In general, the average period during which persons are active in a Member State other than the Member State where social security contributions should be paid varies between persons covered by Article 12 and persons covered by Article 13 (*Figure 13*). For all reporting Member States the average period during which persons covered by Article 12 are active in another Member State is lower than the period during which persons are active in two or more Member States. The smallest differences in duration arise for Hungary while for Slovakia the highest difference in duration is observed.

Figure 13 Average duration in days per PD A1, persons covered by Article 12 versus persons covered by Article 13, 2017

Source Administrative data PD A1 Questionnaire 2018

4.6. The impact on national labour markets

The number of individual persons covered by Article 13 could be compared to the total number of employed persons in the sending Member States to know the relative importance of this activity. The impact on the receiving Member States cannot be calculated as no further breakdown of individual persons by receiving Member State was included in the PD A1 Questionnaire. By using the additional data about the duration, the relative weight of persons covered by Article 13 on the labour market of some reporting Member States in terms of full-time equivalents (FTE) could be estimated.

In 2017, an equivalent of 0.4% of EU employment, also in FTEs, could be related to the employment of persons active in two or more Member States (*Table 19*). Leaving aside Luxembourg, only in Poland, Estonia and Slovenia more than 1% of the employed population is active in two or more Member States.

Moreover, the work volume of persons (in FTEs) employed in two or more Member States is even higher compared to the work volume of persons covered by Article 12. It is estimated that some 818,151 FTEs were employed in two or more Member States according to Article 13 and that some 466,448 FTEs were active according to Article 12 in 2017 (*see Tables 13 and 19*).

Table 19 Share of persons employed in two or more Member States in national employment, from a sending perspective, 2017

| Sending MS | Total employed persons (in ,000) | Forms | % of employed persons | Persons | % of employed persons | Persons in FTE* | % of employed persons in FTE* |
|-------------------------|----------------------------------|------------------|-----------------------|----------------|-----------------------|-----------------|-------------------------------|
| BE | 4,638 | 57,273 | 1.2% | | | | |
| BG | 3,150 | 21,106 | 0.7% | | | | |
| CZ | 5,222 | 55,700 | 1.1% | 47,324 | 0.9% | 27,621 | 0.5% |
| DK | 2,816 | 27,688 | 1.0% | | | | |
| DE | 41,664 | 62,877 | 0.2% | | | | |
| EE | 659 | 12,456 | 1.9% | 10,316 | 1.6% | 10,316 | 1.7% |
| IE | 2,194 | 4,180 | 0.2% | 3,930 | 0.2% | 3,930 | 0.2% |
| EL | 3,753 | 2,926 | 0.1% | | 0.0% | | |
| ES | 18,825 | 77,663 | 0.4% | | 0.3% | | |
| FR | 26,880 | 916 | 0.0% | 622 | 0.0% | 622 | 0.0% |
| HR | 1,625 | 14,023 | 0.9% | 14,000 | 0.9% | 14,020 | 0.9% |
| IT | 23,023 | 20,359 | 0.1% | 15,301 | 0.1% | 15,301 | 0.1% |
| CY | 380 | 3,868 | 1.0% | 3,353 | 0.9% | | |
| LV | 895 | 17,289 | 1.9% | 14,589 | 1.6% | 14,589 | 1.7% |
| LT | 1,355 | 43,099 | 3.2% | | | | |
| LU | 433 | 14,238 | 3.3% | 11,797 | 2.7% | 11,797 | 4.5% |
| HU | 4,421 | 19,540 | 0.4% | 15,918 | 0.4% | 15,918 | 0.3% |
| MT | 212 | 827 | 0.4% | | | | |
| NL | 8,605 | 79,823 | 0.9% | | | | |
| AT | 4,260 | 17,810 | 0.4% | | | | |
| PL | 16,423 | 324,999 | 2.0% | 268,861 | 1.6% | 254,657 | 1.6% |
| PT | 4,757 | 20,070 | 0.4% | | | | |
| RO | 8,671 | 37,470 | 0.4% | | | 35,725 | 0.4% |
| SI | 959 | 26,559 | 2.8% | 19,480 | 2.0% | | |
| SK | 2,531 | 21,696 | 0.9% | 20,134 | 0.8% | 20,134 | 0.8% |
| FI | 2,473 | 3,314 | 0.1% | 2,127 | 0.1% | 2,127 | 0.1% |
| SE | 5,022 | 6,635 | 0.1% | 4,717 | 0.1% | | |
| UK | 31,963 | 13,838 | 0.0% | | | | |
| IS | 194 | 95 | 0.0% | 86 | 0.0% | 86 | 0.1% |
| LI | 0 | 976 | | | | | |
| NO | 2,644 | 1,829 | 0.1% | | | | |
| CH | 4,637 | 14,235 | 0.3% | | | | |
| Total Estimate** | 235,281 | 1,025,377 | 0.44% | 853,676 | 0.36% | 818,151 | 0.39% |

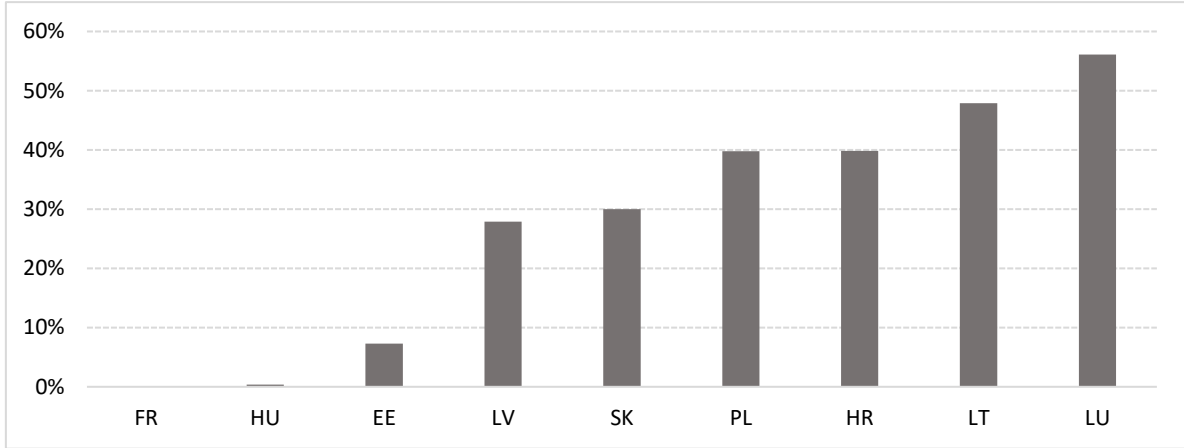
* In order to estimate the number of persons in FTEs, the average duration was divided by 365 days and afterwards multiplied by the number of PDs A1 issued.

** Sum of figures reported and estimate for those Member States who did not provide data (average % is applied to these Member States).

Source Administrative data PD A1 Questionnaire 2018 and Eurostat [lfsa_egan2]

By using the additional data about the sector of activity a more detailed analysis is carried out of the share of persons employed in two or more Member States in total employment of the road freight transport sector (*Figure 14*). It is clear that a high percentage of truck drivers employed in Luxembourg, Lithuania, Croatia, Poland, Slovakia and Latvia is active in two or more Member States.

Figure 14 Estimated share of persons employed in two or more Member States in freight transport by road, 2017

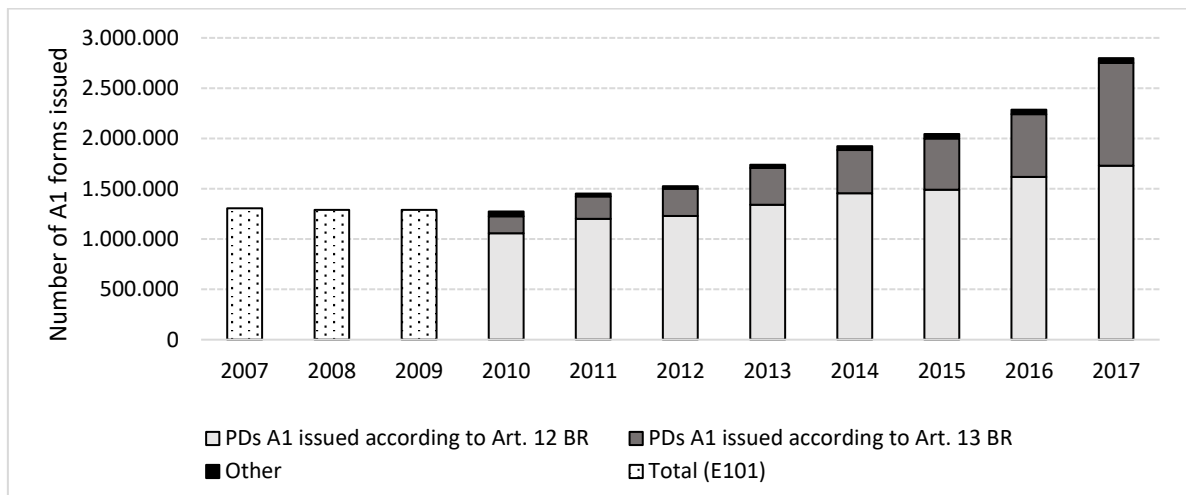


Source Administrative data PD A1 Questionnaire 2018 and Eurostat [Ifsa_egan2]

5. CONCLUSIONS

In 2017 a total of 2.8 million PDs A1 were issued to persons insured in a Member State other than the Member State of (temporary) employment. Compared to 2016, the overall number of PDs A1 issued increased by some 22%. Data on the number of PDs A1 / E101 forms show an upward trend since 2011 after a stagnation between 2007 and 2010. This implies an increase of 93% of the number of PDs A1 issued between 2011 and 2017.

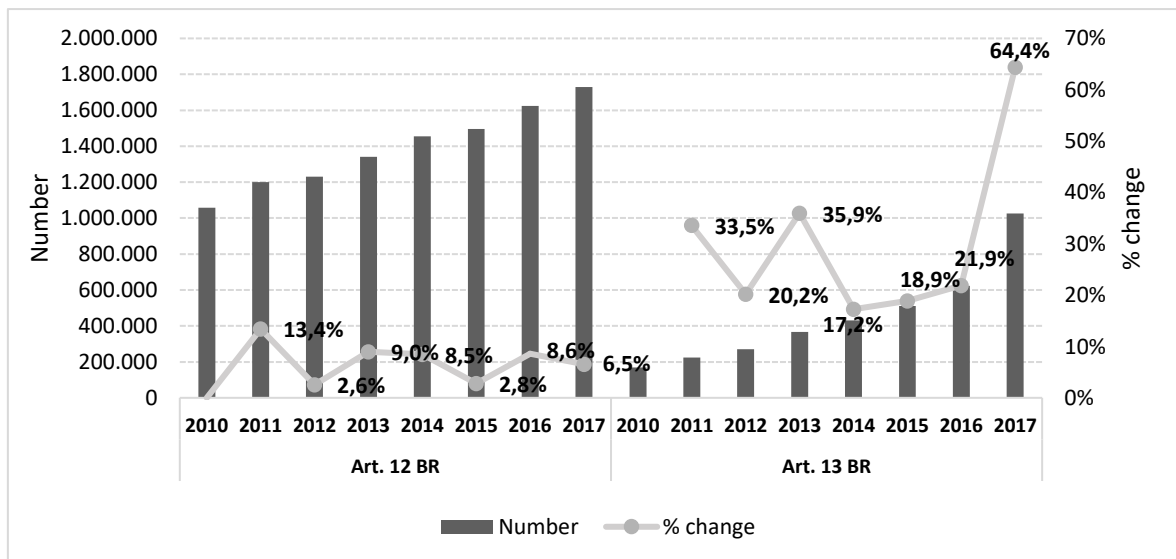
Figure 15 Evolution of the number of PDs A1 / E101 forms issued, by type, 2007-2017



Source Administrative data PD A1 Questionnaire 2018 and previous years

The number of PDs A1 issued for the provision of services in another Member State according to Article 12 and for activities in two or more Member States according to Article 13 show a growth rate of 6.5% and 64%, respectively, compared to 2016. This illustrates the increasing importance of PDs A1 issued for activities in two or more Member States. In terms of individual persons and the work volume the importance of Article 13 compared to Article 12 is even more pronounced.

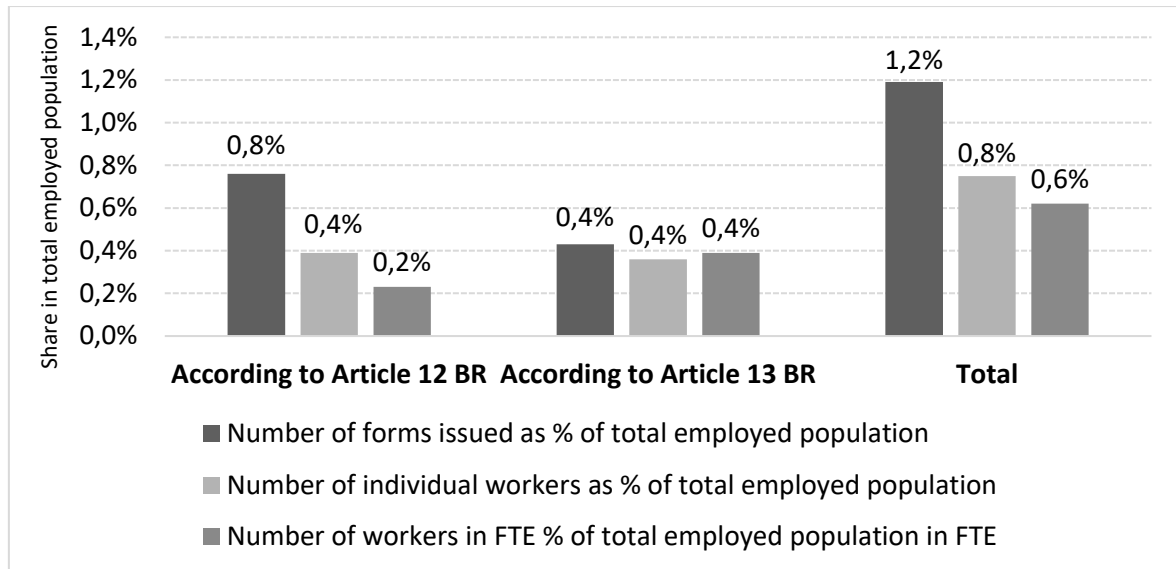
Figure 16 Total number of PDs A1 issued, breakdown by type, 2010-2017



Source Administrative data PD A1 Questionnaire 2018 and previous years

The total number of individual persons with a PD A1 issued in 2017 amounts to 0.8% of total EU employment. In full-time equivalents (FTE), the impact on the labour market reduces to 0.6% of total employment in FTEs. A distinction could be made between persons covered by Article 12 and persons covered by Article 13. Both groups represent some 0.4% of total EU employment. Moreover, the work volume of persons (in FTE) covered by Article 13 is almost twice as high as the work volume of persons covered by Article 12.

Figure 17 Share of PDs A1 in national employment, summary, 2017



Source Administrative data PD A1 Questionnaire 2018

Some Member States, and within these Member States some specific sectors of activity, in particular the construction sector under Article 12 and the road freight transport sector under Article 13, are confronted with a significantly high percentage of incoming or outgoing persons covered by Article 12 or persons covered by Article 13 in relative terms. More specifically, the Slovenian construction sector sent a high percentage of its employed population abroad. From the perspective of the receiving Member States, mainly the Luxembourg, Austrian and Belgian construction sector received a high percentage of incoming persons falling under Article 12 compared to their national employment. Finally, a high percentage of truck drivers employed in Luxembourg, Lithuania, Croatia, Poland and Slovakia are active in two or more Member States.

ANNEX 1 ADDITIONAL TABLES

Table A1.1 PDs A1 issued by the sending Member States according to Article 12 of the Basic Regulation, breakdown by receiving Member State, 2017 (row %)

| | | Sending MS | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total | | | | | | | | |
|--------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|--------|--------|--------|--------|
| | | BE | BG | CZ | DK | DE | EE | IE | EL | ES | FR | HR | IT | CY | LV | LT | LU | HU | MT | NL | AT | PL | PT | RO | SI | SK | FI | SE | UK | | IS | LI | NO | CH | | | | |
| Receiving MS | BE | 0.0% | 1.5% | 0.3% | 0.1% | 16.0% | 0.0% | 0.2% | 0.1% | 3.4% | 13.3% | 1.1% | 4.0% | 0.0% | 0.1% | 1.3% | 13.6% | 1.5% | 0.0% | 5.7% | 0.5% | 14.1% | 8.9% | 4.0% | 7.0% | 3.3% | 0.0% | 0.1% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | | | |
| | BG | 1.5% | 0.0% | 0.9% | 0.3% | 34.0% | 0.0% | 0.0% | 5.2% | 6.4% | 13.3% | 0.8% | 7.1% | 0.0% | 0.0% | 0.1% | 1.2% | 1.2% | 0.0% | 0.9% | 2.2% | 9.2% | 0.3% | 7.2% | 1.3% | 6.4% | 0.1% | 0.3% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | | | |
| | CZ | 1.4% | 0.2% | 0.0% | 0.2% | 18.6% | 0.0% | 0.1% | 0.1% | 5.3% | 6.8% | 1.0% | 4.6% | 0.0% | 0.0% | 0.0% | 0.5% | 1.7% | 0.0% | 0.2% | 2.9% | 11.4% | 0.5% | 1.6% | 2.5% | 40.3% | 0.1% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | | |
| | DK | 3.2% | 0.2% | 1.6% | 0.0% | 44.1% | 0.0% | 1.2% | 0.1% | 5.3% | 6.4% | 1.8% | 5.7% | 0.0% | 0.5% | 1.9% | 0.8% | 2.4% | 0.0% | 0.9% | 1.9% | 12.9% | 1.3% | 0.6% | 2.5% | 3.3% | 0.8% | 0.5% | 0.0% | 0.1% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | | |
| | DE | 1.7% | 1.4% | 0.9% | 0.2% | 0.0% | 0.1% | 0.1% | 0.4% | 4.0% | 3.8% | 6.5% | 3.5% | 0.0% | 0.1% | 1.8% | 2.3% | 8.1% | 0.0% | 1.1% | 5.7% | 26.9% | 0.9% | 4.0% | 16.7% | 9.9% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | | |
| | EE | 1.4% | 0.0% | 0.4% | 0.2% | 49.3% | 0.0% | 0.0% | 0.1% | 3.3% | 4.3% | 0.3% | 1.3% | 0.0% | 0.6% | 10.7% | 1.4% | 0.0% | 0.1% | 0.5% | 5.1% | 9.0% | 0.0% | 7.2% | 1.0% | 2.6% | 1.0% | 0.3% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | | | |
| | IE | 3.3% | 0.5% | 0.6% | 0.5% | 27.8% | 0.0% | 0.0% | 0.4% | 18.1% | 16.8% | 0.9% | 4.5% | 0.0% | 0.1% | 0.0% | 2.2% | 1.5% | 0.0% | 0.8% | 1.8% | 13.3% | 3.8% | 0.5% | 1.1% | 1.1% | 0.1% | 0.4% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | | |
| | EL | 2.2% | 10.1% | 1.4% | 1.4% | 21.9% | 0.0% | 0.1% | 0.0% | 8.8% | 19.3% | 0.5% | 16.9% | 0.7% | 0.0% | 0.1% | 1.6% | 0.6% | 0.0% | 1.9% | 1.2% | 3.7% | 0.5% | 2.0% | 0.9% | 1.1% | 1.2% | 1.9% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | | |
| | ES | 3.4% | 0.1% | 0.7% | 0.8% | 32.2% | 0.1% | 0.1% | 0.2% | 0.0% | 19.6% | 0.2% | 13.1% | 0.0% | 0.0% | 0.2% | 1.0% | 0.4% | 0.0% | 1.4% | 2.2% | 3.5% | 16.5% | 0.6% | 1.7% | 0.9% | 0.5% | 0.5% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | |
| | FR | 12.7% | 0.7% | 0.4% | 0.3% | 18.3% | 0.1% | 0.2% | 0.2% | 13.2% | 0.0% | 0.3% | 12.9% | 0.0% | 0.0% | 1.1% | 8.4% | 0.6% | 0.0% | 1.1% | 1.0% | 11.7% | 10.9% | 2.9% | 1.0% | 1.7% | 0.0% | 0.2% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | |
| | HR | 0.7% | 1.1% | 0.7% | 0.1% | 12.1% | 1.5% | 0.0% | 0.0% | 3.2% | 3.9% | 0.0% | 7.3% | 0.0% | 0.1% | 0.0% | 0.3% | 3.0% | 0.0% | 0.1% | 3.4% | 4.0% | 0.2% | 0.2% | 56.0% | 1.7% | 0.2% | 0.1% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | |
| | IT | 2.7% | 0.6% | 0.5% | 0.2% | 26.1% | 0.2% | 0.1% | 0.3% | 14.5% | 16.2% | 2.2% | 0.0% | 0.0% | 0.0% | 0.2% | 0.8% | 1.4% | 0.1% | 1.5% | 4.2% | 5.0% | 1.5% | 9.3% | 10.2% | 1.7% | 0.1% | 0.2% | 1.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | |
| | CY | 2.9% | 0.5% | 0.5% | 0.9% | 35.0% | 0.0% | 0.2% | 19.0% | 4.8% | 7.9% | 0.3% | 5.7% | 0.0% | 0.0% | 0.2% | 1.4% | 0.5% | 0.1% | 1.3% | 1.4% | 11.3% | 0.5% | 2.2% | 1.0% | 0.6% | 0.2% | 1.6% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | |
| | LV | 2.7% | 1.8% | 0.2% | 0.5% | 25.4% | 1.4% | 0.0% | 0.1% | 9.2% | 8.3% | 1.2% | 2.2% | 0.0% | 0.0% | 18.0% | 1.3% | 0.8% | 0.0% | 0.3% | 2.4% | 17.8% | 0.0% | 0.0% | 3.9% | 1.7% | 0.4% | 0.2% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | |
| | LT | 1.6% | 6.7% | 0.8% | 5.2% | 19.1% | 0.1% | 0.0% | 0.1% | 5.1% | 5.4% | 0.6% | 3.3% | 0.0% | 1.1% | 0.0% | 0.6% | 0.2% | 0.0% | 1.3% | 1.1% | 42.6% | 0.8% | 0.2% | 0.8% | 2.7% | 0.4% | 0.1% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | |
| | LU | 23.7% | 0.0% | 0.1% | 0.1% | 44.8% | 0.0% | 0.0% | 0.0% | 1.1% | 15.9% | 0.5% | 1.6% | 0.0% | 0.0% | 0.0% | 0.0% | 1.6% | 0.0% | 0.7% | 0.5% | 2.8% | 2.3% | 0.5% | 3.3% | 0.3% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | |
| | HU | 1.3% | 0.4% | 1.4% | 0.6% | 24.3% | 0.0% | 0.1% | 0.1% | 4.4% | 8.8% | 1.8% | 6.1% | 0.1% | 0.0% | 0.0% | 1.5% | 1.0% | 0.0% | 0.5% | 6.2% | 10.4% | 0.2% | 3.4% | 7.5% | 19.7% | 0.1% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | |
| | MT | 1.9% | 0.7% | 0.2% | 0.7% | 26.6% | 0.0% | 0.1% | 0.6% | 9.5% | 15.7% | 0.2% | 23.2% | 0.0% | 0.2% | 0.1% | 3.3% | 1.0% | 0.0% | 0.5% | 0.8% | 12.1% | 0.0% | 0.8% | 0.1% | 0.6% | 0.7% | 0.3% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | |
| | NL | 17.1% | 0.5% | 0.3% | 0.2% | 38.5% | 0.2% | 0.3% | 0.5% | 3.3% | 3.7% | 0.9% | 2.7% | 0.0% | 0.0% | 2.8% | 0.7% | 2.4% | 0.0% | 0.0% | 0.9% | 13.0% | 2.5% | 2.3% | 3.3% | 3.6% | 0.1% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | |
| | AT | 0.6% | 0.5% | 0.6% | 0.2% | 32.2% | 0.0% | 0.0% | 0.0% | 0.8% | 1.0% | 0.7% | 5.7% | 0.0% | 0.0% | 0.1% | 0.2% | 9.2% | 0.0% | 0.4% | 0.0% | 3.7% | 0.7% | 0.8% | 34.6% | 7.9% | 0.0% | 0.1% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% |
| | PL | 2.2% | 0.6% | 2.3% | 0.4% | 41.1% | 0.3% | 0.1% | 0.1% | 10.9% | 11.7% | 1.3% | 9.5% | 0.0% | 0.0% | 0.1% | 1.4% | 2.6% | 0.0% | 0.8% | 3.1% | 0.0% | 0.4% | 0.9% | 3.8% | 6.2% | 0.2% | 0.1% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% |
| | PT | 1.6% | 0.0% | 0.6% | 0.1% | 14.1% | 0.0% | 0.1% | 0.1% | 63.0% | 11.6% | 0.3% | 3.6% | 0.0% | 0.0% | 0.0% | 0.8% | 0.1% | 0.0% | 0.2% | 0.8% | 1.6% | 0.0% | 0.2% | 0.4% | 0.5% | 0.2% | 0.1% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% |
| | RO | 1.4% | 1.6% | 1.3% | 0.2% | 29.9% | 0.0% | 0.1% | 1.3% | 14.0% | 13.2% | 1.2% | 14.7% | 0.0% | 0.0% | 0.0% | 0.9% | 3.9% | 0.0% | 0.5% | 4.3% | 6.3% | 0.2% | 0.0% | 1.5% | 3.5% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% |
| | SI | 1.2% | 1.0% | 3.0% | 0.1% | 16.8% | 0.0% | 0.0% | 0.0% | 2.7% | 6.8% | 34.3% | 10.4% | 0.0% | 0.0% | 0.0% | 0.5% | 4.5% | 0.0% | 0.3% | 12.0% | 3.3% | 0.1% | 0.9% | 0.0% | 1.7% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% |
| | SK | 1.1% | 2.2% | 11.7% | 0.1% | 19.9% | 0.0% | 0.0% | 0.3% | 5.3% | 4.5% | 0.9% | 5.3% | 0.0% | 0.0% | 0.0% | 0.3% | 10.9% | 0.0% | 0.1% | 3.9% | 20.0% | 0.2% | 6.4% | 5.6% | 1.1% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% |
| | FI | 0.5% | 1.2% | 0.8% | 0.6% | 19.9% | 16.8% | 0.2% | 0.1% | 4.2% | 4.7% | 4.1% | 2.5% | 0.0% | 0.5% | 7.7% | 0.4% | 0.4% | 0.0% | 0.5% | 1.6% | 19.4% | 1.2% | 1.5% | 4.1% | 5.3% | 0.0% | 1.5% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% |
| | SE | 1.0% | 0.3% | 0.9% | 1.0% | 29.1% | 1.2% | 0.8% | 0.1% | 3.3% | 3.0% | 2.7% | 1.7% | 0.0% | 0.8% | 7.2% | 0.4% | 1.6% | 0.0% | 0.4% | 1.5% | 30.5% | 1.8% | 1.3% | 3.1% | 5.3% | 0.7% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% |
| | UK | 3.4% | 0.7% | 0.5% | 0.9% | 24.1% | 0.0% | 0.8% | 0.2% | 17.5% | 16.9% | 1.2% | 7.7% | 0.0% | 0.1% | 0.3% | 1.7% | 1.3% | 0.0% | 1.7% | 2.8% | 9.8% | 1.7% | 2.1% | 2.2% | 2.2% | 0.2% | 0.2% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% |
| | IS | 2.0% | 0.0% | 0.5% | 2.4% | 10.5% | 0.3% | 0.9% | 2.5% | 4.9% | 9.0% | 3.2% | 0.9% | 0.0% | 0.2% | 2.1% | 0.2% | 0.7% | 0.0% | 0.9% | 2.5% | 52.4% | 1.6% | 0.0% | 0.9% | 1.2% | 0.0% | 0.1% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% |
| | LI | 2.1% | 0.0% | 2.5% | 0.7% | 39.4% | 0.0% | 0.0% | 0.3% | 0.1% | 2.0% | 0.0% | 2.4% | 0.0% | 0.0% | 0.0% | 2.4% | 5.7% | 0.0% | 0.0% | 36.9% | 3.6% | 0.0% | 0.0% | 1.1% | 0.7% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% |
| | NO | 1.3% | 0.2% | 0.5% | 15.7% | 19.9% | 3.4% | 0.5% | 0.0% | 4.6% | 3.0% | 2.7% | 3.4% | 0.0% | 0.8% | 19.7% | 0.3% | 0.7% | 0.0% | 0.6% | 2.0% | 10.5% | 1.4% | 1.3% | 1.0% | 2.2% | 0.6% | 3.8% | 0.0% | 0.1% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | |
| CH | 1.4% | 0.1% | 0.3% | 0.1% | 39.8% | 0.0% | 0.2% | 0.1% | 2.6% | 8.2% | 0.1% | 36.3% | 0.0% | 0.0% | 0.1% | 0.6% | 0.7% | 0.0% | 0.5% | 3.2% | 1.8% | 0.4% | 0.3% | 2.2% | 1.0% | 0.0% | 0.1% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | |
| unkn. | 0.0% | 0.0% | 0.0% | 0.3% | 0.0% | 0.0% | 0.0% | 0.3% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.1% | 0.0% | 0.0% | 0.2% | 0.0% | 8.9% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 2.7% | 0.0% | 58.0% | 0.0% | 0.0% | 0.0% | 3.6% | 26.2% | 100.0% | | | |
| Total | 4.4% | 0.9% | 0.7% | 0.5% | 19.2% | 0.4% | 0.2% | 0.2% | 6.4% | 6.3% | 2.4% | 7.5% | 0.0% | 0.1% | 1.5% | 3.4% | 3.6% | 0.0% | 1.3% | 2.9% | 13.6% | 3.7% | 2.7% | 9.5% | 5.2% | 0.2% | 0.2% | 2.0% | 0.0% | 0.0% | 0.1% | 0.9% | 0.0% | 100.0% | | | | |

Source Administrative data PD A1 Questionnaire 2017

Posting of workers

Table A1.2 PDs A1 issued by the sending Member States according to Article 12 of the Basic Regulation, breakdown by receiving Member State, 2017 (column %)

| | | Sending MS | | | | | | | | | | | | | | | | | | | | | | | | | | | Total | | | |
|--------------|--------|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| | | BE | BG | CZ | DK | DE | EE | IE | EL | ES | FR | HR | IT | CY | LV | LT | LU | HU | MT | NL | AT | PL | PT | RO | SI | SK | FI | SE | | UK | IS | LI |
| Receiving MS | BE | 0.0% | 17.0% | 4.4% | 1.6% | 8.0% | 0.2% | 10.1% | 2.3% | 5.1% | 20.4% | 4.3% | 5.2% | 2.5% | 6.6% | 8.0% | 38.7% | 4.0% | 9.0% | 42.9% | 1.7% | 10.0% | 23.1% | 14.5% | 7.1% | 6.1% | 2.1% | 3.3% | 0.0% | 0.0% | 0.0% | 9.7% |
| | BG | 0.1% | 0.0% | 0.3% | 0.1% | 0.4% | 0.0% | 0.0% | 4.3% | 0.2% | 0.4% | 0.1% | 0.2% | 0.0% | 0.0% | 0.0% | 0.1% | 0.1% | 0.7% | 0.1% | 0.2% | 0.1% | 0.0% | 0.5% | 0.0% | 0.2% | 0.1% | 0.3% | 0.0% | 0.0% | 0.0% | 0.2% |
| | CZ | 0.4% | 0.3% | 0.0% | 0.7% | 1.4% | 0.0% | 0.5% | 0.4% | 1.2% | 1.5% | 0.6% | 0.9% | 1.2% | 0.3% | 0.0% | 0.2% | 0.6% | 0.0% | 0.2% | 1.4% | 1.2% | 0.2% | 0.8% | 0.4% | 10.8% | 0.4% | 0.2% | 0.0% | 0.0% | 0.0% | 1.4% |
| | DK | 0.6% | 0.2% | 2.1% | 0.0% | 2.1% | 0.1% | 6.0% | 0.4% | 0.7% | 0.9% | 0.7% | 0.7% | 0.0% | 4.4% | 1.1% | 0.2% | 0.6% | 0.0% | 0.7% | 0.6% | 0.9% | 0.3% | 0.2% | 0.2% | 0.6% | 3.5% | 2.5% | 4.9% | 0.0% | 0.9% | |
| | DE | 9.7% | 39.9% | 32.0% | 7.8% | 0.0% | 5.0% | 14.1% | 38.6% | 15.4% | 14.7% | 67.0% | 11.5% | 8.6% | 31.9% | 29.4% | 17.0% | 55.0% | 5.5% | 20.7% | 48.0% | 48.8% | 6.2% | 36.3% | 43.5% | 46.5% | 5.1% | 6.8% | 7.4% | 9.4% | 0.0% | 24.7% |
| | EE | 0.1% | 0.0% | 0.1% | 0.1% | 0.4% | 0.0% | 0.0% | 0.1% | 0.1% | 0.1% | 0.0% | 0.0% | 0.0% | 1.0% | 1.2% | 0.1% | 0.0% | 1.4% | 0.1% | 0.3% | 0.1% | 0.0% | 0.5% | 0.0% | 0.1% | 0.8% | 0.3% | 0.0% | 0.0% | 0.2% | |
| | IE | 0.3% | 0.2% | 0.3% | 0.4% | 0.5% | 0.0% | 0.0% | 0.5% | 1.0% | 0.9% | 0.1% | 0.2% | 0.0% | 0.4% | 0.0% | 0.2% | 0.2% | 1.4% | 0.2% | 0.2% | 0.3% | 0.4% | 0.1% | 0.0% | 0.1% | 0.2% | 0.7% | 0.0% | 0.0% | 0.4% | |
| | EL | 0.2% | 5.6% | 1.0% | 1.4% | 0.5% | 0.0% | 0.3% | 0.0% | 0.6% | 1.4% | 0.1% | 1.1% | 72.8% | 0.0% | 0.0% | 0.2% | 0.1% | 0.0% | 0.7% | 0.2% | 0.1% | 0.1% | 0.4% | 0.0% | 0.1% | 2.8% | 4.9% | 0.0% | 0.0% | 0.5% | |
| | ES | 2.7% | 0.6% | 3.6% | 5.6% | 5.9% | 0.7% | 1.2% | 2.5% | 0.0% | 10.9% | 0.3% | 6.1% | 0.0% | 1.2% | 0.3% | 1.1% | 0.4% | 4.1% | 3.9% | 2.7% | 0.9% | 15.6% | 0.8% | 0.6% | 0.6% | 8.2% | 9.6% | 6.2% | 3.1% | 3.5% | |
| | FR | 39.8% | 11.0% | 8.9% | 9.7% | 13.3% | 3.5% | 12.1% | 12.3% | 28.8% | 0.0% | 1.7% | 24.0% | 0.0% | 1.4% | 10.0% | 34.6% | 2.2% | 15.9% | 12.1% | 5.0% | 12.0% | 40.8% | 15.2% | 1.4% | 4.5% | 3.0% | 15.5% | 43.8% | 0.0% | 13.9% | |
| | HR | 0.1% | 1.0% | 0.8% | 0.2% | 0.5% | 3.0% | 0.0% | 0.1% | 0.4% | 0.5% | 0.0% | 0.7% | 0.0% | 0.4% | 0.0% | 0.1% | 0.6% | 0.0% | 0.1% | 0.9% | 0.2% | 0.0% | 0.1% | 4.4% | 0.2% | 0.6% | 0.6% | 0.0% | 0.0% | 0.7% | |
| | IT | 2.2% | 2.8% | 2.7% | 1.7% | 5.1% | 1.9% | 2.7% | 5.2% | 8.5% | 9.6% | 3.5% | 0.0% | 1.2% | 0.5% | 0.4% | 0.9% | 1.5% | 31.0% | 4.3% | 5.5% | 1.4% | 1.5% | 12.9% | 4.0% | 1.2% | 2.7% | 4.7% | 6.8% | 6.3% | 3.7% | |
| | CY | 0.0% | 0.0% | 0.1% | 0.1% | 0.1% | 0.0% | 0.1% | 5.6% | 0.1% | 0.1% | 0.0% | 0.1% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.7% | 0.1% | 0.0% | 0.1% | 0.0% | 0.1% | 0.0% | 0.0% | 0.1% | 0.6% | 0.0% | 0.0% | 0.1% | |
| | LV | 0.0% | 0.2% | 0.0% | 0.1% | 0.1% | 0.3% | 0.0% | 0.0% | 0.1% | 0.1% | 0.0% | 0.0% | 0.0% | 0.0% | 0.9% | 0.0% | 0.0% | 0.0% | 0.0% | 0.1% | 0.1% | 0.0% | 0.0% | 0.0% | 0.0% | 0.1% | 0.1% | 0.0% | 0.0% | 0.1% | |
| | LT | 0.0% | 1.0% | 0.1% | 1.4% | 0.1% | 0.0% | 0.0% | 0.0% | 0.1% | 0.1% | 0.0% | 0.1% | 0.0% | 1.5% | 0.0% | 0.0% | 0.0% | 0.0% | 0.1% | 0.0% | 0.4% | 0.0% | 0.0% | 0.0% | 0.1% | 0.3% | 0.1% | 0.0% | 0.0% | 0.1% | |
| | LU | 10.1% | 0.0% | 0.2% | 0.3% | 4.4% | 0.0% | 0.2% | 0.3% | 0.3% | 4.8% | 0.4% | 0.4% | 0.0% | 0.0% | 0.0% | 0.0% | 0.8% | 3.4% | 1.0% | 0.4% | 0.4% | 1.2% | 0.4% | 0.7% | 0.1% | 0.2% | 0.2% | 0.0% | 0.0% | 1.9% | |
| | HU | 0.2% | 0.3% | 1.6% | 0.9% | 0.9% | 0.0% | 0.4% | 0.3% | 0.5% | 1.0% | 0.6% | 0.6% | 9.9% | 0.1% | 0.0% | 0.3% | 0.2% | 0.0% | 0.3% | 1.6% | 0.6% | 0.0% | 0.9% | 0.6% | 2.8% | 0.5% | 0.2% | 1.9% | 0.0% | 0.7% | |
| | MT | 0.1% | 0.1% | 0.0% | 0.2% | 0.2% | 0.0% | 0.1% | 0.4% | 0.2% | 0.4% | 0.0% | 0.5% | 0.0% | 0.4% | 0.0% | 0.1% | 0.0% | 0.0% | 0.1% | 0.0% | 0.1% | 0.0% | 0.0% | 0.0% | 0.0% | 0.5% | 0.3% | 0.0% | 0.0% | 0.1% | |
| | NL | 24.9% | 4.1% | 2.5% | 2.4% | 12.9% | 3.8% | 11.9% | 12.2% | 3.3% | 3.8% | 2.4% | 2.3% | 0.0% | 0.7% | 11.7% | 1.3% | 4.3% | 3.4% | 0.0% | 2.1% | 6.2% | 4.3% | 5.5% | 2.3% | 4.5% | 1.6% | 1.1% | 1.9% | 0.0% | 6.4% | |
| | AT | 1.0% | 4.4% | 6.6% | 3.8% | 13.7% | 0.1% | 0.7% | 0.5% | 1.1% | 1.2% | 2.5% | 6.2% | 0.0% | 0.6% | 0.3% | 0.4% | 20.7% | 3.4% | 2.5% | 0.0% | 2.2% | 1.5% | 2.4% | 29.8% | 12.3% | 1.6% | 2.8% | 0.0% | 0.0% | 8.2% | |
| | PL | 0.6% | 0.9% | 4.0% | 0.9% | 2.5% | 0.8% | 0.8% | 0.5% | 2.0% | 2.2% | 0.7% | 1.5% | 0.0% | 0.2% | 0.1% | 0.5% | 0.9% | 2.8% | 0.7% | 1.3% | 0.0% | 0.1% | 0.4% | 0.5% | 1.4% | 1.4% | 0.8% | 0.0% | 0.0% | 1.2% | |
| | PT | 0.5% | 0.1% | 1.1% | 0.3% | 1.0% | 0.0% | 0.9% | 0.8% | 12.9% | 2.4% | 0.2% | 0.6% | 0.0% | 0.1% | 0.0% | 0.3% | 0.0% | 2.1% | 0.2% | 0.3% | 0.2% | 0.0% | 0.1% | 0.1% | 0.1% | 1.4% | 0.9% | 1.9% | 0.0% | 1.3% | |
| | RO | 0.2% | 1.3% | 1.4% | 0.3% | 1.1% | 0.0% | 0.3% | 3.6% | 1.5% | 1.5% | 0.3% | 1.4% | 0.0% | 0.0% | 0.0% | 0.2% | 0.7% | 0.0% | 0.3% | 1.0% | 0.3% | 0.0% | 0.0% | 0.1% | 0.5% | 0.1% | 0.1% | 0.0% | 0.0% | 0.7% | |
| | SI | 0.1% | 0.4% | 1.6% | 0.1% | 0.3% | 0.0% | 0.1% | 0.1% | 0.2% | 0.4% | 5.3% | 0.5% | 0.0% | 0.1% | 0.0% | 0.1% | 0.5% | 0.0% | 0.1% | 1.5% | 0.1% | 0.0% | 0.1% | 0.0% | 0.1% | 0.0% | 0.0% | 0.0% | 0.0% | 0.4% | |
| | SK | 0.2% | 2.1% | 13.6% | 0.1% | 0.8% | 0.0% | 0.0% | 1.0% | 0.7% | 0.6% | 0.3% | 0.6% | 0.0% | 0.1% | 0.0% | 0.1% | 2.4% | 0.0% | 0.1% | 1.1% | 1.2% | 0.0% | 1.9% | 0.5% | 0.2% | 0.0% | 0.1% | 0.0% | 0.0% | 0.8% | |
| | FI | 0.2% | 1.9% | 1.6% | 1.5% | 1.3% | 59.4% | 1.7% | 0.5% | 0.8% | 1.0% | 2.2% | 0.4% | 0.0% | 7.2% | 6.4% | 0.2% | 0.2% | 4.1% | 0.5% | 0.7% | 1.8% | 0.4% | 0.7% | 0.6% | 1.3% | 0.0% | 10.9% | 0.0% | 0.0% | 1.3% | |
| | SE | 0.6% | 0.9% | 3.4% | 5.3% | 3.9% | 8.5% | 11.1% | 0.8% | 1.3% | 1.2% | 2.9% | 0.6% | 0.0% | 22.7% | 11.9% | 0.3% | 1.1% | 0.0% | 0.8% | 1.3% | 5.7% | 1.2% | 1.3% | 0.8% | 2.6% | 9.2% | 0.0% | 4.3% | 0.0% | 2.6% | |
| | UK | 2.7% | 2.8% | 2.7% | 6.1% | 4.3% | 0.1% | 15.4% | 3.3% | 9.4% | 9.2% | 1.7% | 3.5% | 0.0% | 2.9% | 0.6% | 1.7% | 1.2% | 7.6% | 4.4% | 3.3% | 2.5% | 1.6% | 2.7% | 0.8% | 1.5% | 3.7% | 3.2% | 4.9% | 0.0% | 3.4% | |
| | IS | 0.0% | 0.0% | 0.1% | 0.5% | 0.1% | 0.1% | 0.5% | 1.0% | 0.1% | 0.1% | 0.1% | 0.0% | 0.0% | 0.2% | 0.1% | 0.0% | 0.0% | 0.0% | 0.1% | 0.1% | 0.4% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.1% | |
| | LI | 0.0% | 0.0% | 0.2% | 0.1% | 0.1% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.1% | 0.0% | 0.0% | 0.5% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | |
| NO | 0.4% | 0.4% | 0.9% | 43.6% | 1.4% | 12.2% | 3.2% | 0.1% | 1.0% | 0.6% | 1.5% | 0.6% | 0.0% | 11.4% | 17.0% | 0.1% | 0.3% | 0.0% | 0.6% | 0.9% | 1.0% | 0.5% | 0.6% | 0.1% | 0.6% | 3.6% | 27.7% | 13.6% | 0.0% | 1.3% | | |
| CH | 1.9% | 0.5% | 2.3% | 0.7% | 12.7% | 0.2% | 5.6% | 2.2% | 2.4% | 7.9% | 0.3% | 29.6% | 3.7% | 0.7% | 0.4% | 1.1% | 1.2% | 3.4% | 2.2% | 6.8% | 0.8% | 0.7% | 0.7% | 1.4% | 1.1% | 0.8% | 1.7% | 2.5% | 81.3% | 6.1% | | |
| unkn. | 0.0% | 0.0% | 0.0% | 2.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 3.1% | 0.0% | 0.0% | 0.2% | 0.0% | 0.0% | 10.3% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 45.1% | 0.0% | 100.0% | 0.0% | 0.0% | 3.4% | |
| Total | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

Source Administrative data PD A1 Questionnaire 2017

Posting of workers

Table A1.3 PDs A1 issued by the sending Member States according to Article 12 of the Basic Regulation, from a sending perspective, breakdown by sector of activity, 2017

| Sending MS | Agriculture, hunting and fishing NACE A | Industry NACE B to F | | | Services NACE G to T | | | | | | | | |
|--------------|---|----------------------|------------------------------|----------------|-----------------------------------|--|--|--|---|--|---|---|--|
| | | Industry Total | of which Construction NACE F | Services Total | Wholesale and retail trade NACE G | Accommodation and food service activities NACE I | Transportation and storage; Information and communication NACE H and J | of which Freight transport by road NACE H - Group 49.4 | Financial and insurance; Real estate; Professional, scientific and technical activities; Administrative and support service activities NACE K, L, M and N | of which Temporary employment agency NACE N - Group 78.2 | Education, health and social work, arts and other services NACE P, Q, R and S | of which Human health and social work activities NACE Q | |
| BE* | 31 | 763 | 656 | 3,013 | 14 | 14 | 509 | n.a. | 547 | n.a. | 1,572 | n.a. | |
| BG | | | | | | | | | | | | | |
| CZ | 170 | 7,966 | 5,454 | 3,670 | 379 | 45 | 455 | 352 | 2,717 | n.a. | n.a. | n.a. | |
| DK | | | | | | | | | | | | | |
| DE | | | | | | | | | | | | | |
| EE | 286 | 5,440 | 3,635 | 579 | 38 | 44 | 16 | 2 | 89 | 12 | 386 | 189 | |
| IE | | | | | | | | | | | | | |
| EL | | | | | | | | | | | | | |
| ES | | | | | | | | | | | | | |
| FR | 25 | 39,358 | 6,662 | 45,449 | 5,470 | 897 | 5,999 | 129 | 18,023 | 3,296 | 15,060 | 531 | |
| HR | 57 | 36,260 | 19,135 | 4,936 | 785 | 177 | 788 | 32 | 2,471 | 454 | 851 | 106 | |
| IT | | | | | | | | | | | | | |
| CY | 0 | 49 | 1 | 32 | 4 | 5 | 6 | 0 | 15 | 0 | 2 | 0 | |
| LV | 4 | 880 | 628 | 582 | 24 | 0 | 345 | 3 | 193 | 21 | 11 | 0 | |
| LT | 90 | 15,419 | 11,898 | 11,039 | 33 | 2,048 | 123 | 123 | 12 | 0 | 0 | 0 | |
| LU | 28 | 30,056 | 22,145 | 28,211 | 2,283 | 74 | 1,386 | 87 | 22,476 | 9,723 | 1,875 | 258 | |
| HU | 12 | 53,555 | 35,429 | 9,154 | 1,941 | 1,325 | 2,689 | 1,061 | 1,334 | 0 | 2,282 | 620 | |
| MT | 0 | 34 | 0 | 111 | 0 | 0 | 2 | 0 | 97 | 0 | 12 | 0 | |
| NL | 173 | 6,378 | 244 | 12,672 | 952 | 669 | 680 | 183 | 4,253 | 4,000 | 6,118 | 46 | |
| AT | 451 | 25,977 | 18,324 | 8,507 | 2,861 | 237 | 600 | 72 | 1,665 | 311 | 3,144 | 348 | |
| PL | 4,995 | 160,709 | 119,016 | 69,395 | 3,196 | 382 | 8,232 | 6,945 | 16,499 | 11,954 | 40,664 | 8,370 | |
| PT | 206 | 50,836 | 35,803 | 13,278 | 1,239 | 75 | 256 | 97 | 11,595 | 3,638 | 113 | 3 | |
| RO | 427 | 38,007 | 24,087 | 8,279 | 541 | 31 | 3,838 | 0 | 2,537 | 0 | 1,332 | 1,332 | |
| SI | 250 | 114,492 | 79,577 | 1,573 | 1,203 | 0 | 283 | 0 | 8 | 0 | 67 | 12 | |
| SK | 780 | 71,437 | 39,734 | 19,070 | 1,925 | 273 | 1,784 | 1,296 | 1,652 | 805 | 13,063 | 3,554 | |
| FI | 8 | 1,489 | 349 | 1,284 | 43 | 6 | 125 | 42 | 366 | 15 | 733 | 0 | |
| SE | 12 | 1,017 | 403 | 1,906 | 158 | 3 | 225 | 0 | 1,076 | 0 | 439 | 23 | |
| UK | | | | | | | | | | | | | |
| IS | 3 | 0 | 11 | 147 | 0 | 0 | 10 | 1 | 26 | 0 | 111 | 0 | |
| LI | | | | | | | | | | | | | |
| NO | | | | | | | | | | | | | |
| CH | | | | | | | | | | | | | |
| Total | 8,008 | 660,122 | 423,191 | 242,887 | 23,089 | 6,305 | 28,351 | 10,425 | 87,651 | 34,229 | 87,835 | 15,392 | |

* BE : Only figures for self-employed persons are reported.

Source Administrative data PD A1 Questionnaire 2018

Posting of workers

Table A1.4 Total number of PDs A1 issued for persons active in two or more Member States, breakdown by economic activity, from a sending perspective, 2017

| Sending MS | Agriculture, hunting and fishing NACE A | Industry NACE B to F | | | Services NACE G to T | | | | | | | |
|--------------|---|----------------------|------------------------------|----------------|-----------------------------------|--|--|--|---|--|---|---|
| | | Industry Total | of which Construction NACE F | Services Total | Wholesale and retail trade NACE G | Accommodation and food service activities NACE I | Transportation and storage; Information and communication NACE H and J | of which Freight transport by road NACE H - Group 49.4 | Financial and insurance; Real estate; Professional, scientific and technical activities; Administrative and support service activities NACE K, L, M and N | of which Temporary employment agency NACE N - Group 78.2 | Education, health and social work, arts and other services NACE P, Q, R and S | of which Human health and social work activities NACE Q |
| BE* | 16 | 2,158 | 1,699 | 8,161 | 227 | 38 | 3,057 | n.a. | 996 | n.a. | 2,870 | n.a. |
| BG | | | | | | | | | | | | |
| CZ | | | | | | | | | | | | |
| DK | | | | | | | | | | | | |
| DE | | | | | | | | | | | | |
| EE | 347 | 9,943 | 7,368 | 2,159 | 56 | 11 | 1,569 | 1,393 | 290 | 49 | 233 | 105 |
| IE | | | | | | | | | | | | |
| EL | | | | | | | | | | | | |
| ES | | | | | | | | | | | | |
| FR | 0 | 158 | 8 | 681 | 14 | 36 | 67 | 48 | 558 | 0 | 6 | 6 |
| HR | 150 | 1,614 | 429 | 12,236 | 861 | 16 | 10,598 | 8,766 | 624 | 49 | 137 | 39 |
| IT | | | | | | | | | | | | |
| CY | 1 | 1,561 | 169 | 2,306 | 78 | 303 | 1,574 | 224 | 220 | 0 | 104 | 15 |
| LV | 91 | 5,925 | 44 | 10,943 | 540 | 38 | 8,779 | 8,162 | 1,267 | 102 | 301 | 4 |
| LT | 192 | 5,866 | 5,660 | 37,041 | | | 36,205 | 36,205 | | | | |
| LU | 132 | 4,122 | 1,076 | 8,788 | 531 | 8 | 6,795 | 4,448 | 1,350 | 0 | 87 | 7 |
| HU | 0 | 16,543 | 9,846 | 2,436 | 285 | 382 | 347 | 320 | 542 | | 880 | 652 |
| MT | 0 | 19 | 0 | 808 | 0 | 401 | 388 | 388 | 17 | 0 | 2 | 0 |
| NL | | | | | | | | | | | | |
| AT | 73 | 2,527 | 1,093 | 2,866 | 379 | 29 | 1,270 | 798 | 604 | 230 | 567 | 38 |
| PL | 1,916 | 74,132 | 59,321 | 246,871 | 8,963 | 307 | 170,367 | 169,674 | 6,066 | 2,585 | 60,861 | 41,051 |
| PT | | | | | | | | | | | | |
| RO | | | | | | | | | | | | |
| SI | | | | | | | | | | | | |
| SK | 22 | 1,449 | 1 | 20,156 | 110 | 67 | 14,602 | 14,594 | 303 | 85 | 5,066 | 178 |
| FI | | | | | | | | | | | | |
| SE | 22 | 1,789 | 643 | 2,691 | 525 | 20 | 452 | | 935 | | 734 | 256 |
| UK | | | | | | | | | | | | |
| IS | | | | | | | | | | | | |
| LI | 2 | 332 | 0 | 652 | 1 | 10 | 542 | 542 | 62 | 42 | 37 | 0 |
| NO | | | | | | | | | | | | |
| CH | | | | | | | | | | | | |
| Total | 2,964 | 128,138 | 87,357 | 358,795 | 12,570 | 1,666 | 256,612 | 245,562 | 13,834 | 3,142 | 71,885 | 42,351 |

* BE: Only figures for self-employed are reported.

Source Administrative data PD A1 Questionnaire 2018

ANNEX 2 COUNTRY ABBREVIATIONS

| Abbreviation | Country |
|---------------------|-----------------|
| BE | Belgium |
| BG | Bulgaria |
| CZ | Czech Republic |
| DK | Denmark |
| DE | Germany |
| EE | Estonia |
| IE | Ireland |
| EL | Greece |
| ES | Spain |
| FR | France |
| HR | Croatia |
| IT | Italy |
| CY | Cyprus |
| LV | Latvia |
| LT | Lithuania |
| LU | Luxembourg |
| HU | Hungary |
| MT | Malta |
| NL | Netherlands |
| AT | Austria |
| PL | Poland |
| PT | Portugal |
| RO | Romania |
| SI | Slovenia |
| SK | Slovak Republic |
| FI | Finland |
| SE | Sweden |
| UK | United Kingdom |
| IS | Iceland |
| NO | Norway |
| LI | Liechtenstein |
| CH | Switzerland |

ANNEX 3 PD A1 QUESTIONNAIRE

| | |
|---|-------------------------------|
| Reporting Country: | |
| Reporting Institution: | |
| Year/ reference period: | |
| Number of PD A1 issued according to Regulation (EC) No 883/2004 on the coordination of social security systems | |
| Categories (corresponding to field 3 of PDA1 concerning the status of the holder) | Number of PD A1 issued |
| 3.1 Posted employed person | |
| 3.2 Employed, working in two or more States | |
| 3.3 Posted self-employed person | |
| 3.4 Self-employed, working in two or more States | |
| 3.5 Civil servant | |
| 3.6 Contract staff | |
| 3.7 Mariner | |
| 3.8 Working as an employed person and as a self-employed person in different States | |
| 3.9 Working as a civil servant in one State and as an employed/self-employed person in one or more other States | |
| 3.10 Flight or cabin crew member | |
| 3.11 Exception | |
| Total | |

Number of PD A1 issued by sector of economic activity according to Art. 12 of Regulation (EC) No 883/2004 on the coordination of social security systems:

| Receiving country (single destination only) | Employed Art 12 (1) [box 3.1 of PDA1] | Self-employed Art 12 (2) [box 3.3 of PDA1] | Total | Sectors of economic activity (of total) | | | | | | | | | | | Number of 'unique' persons who received a PD A1 (of total) | Average duration in days of all PD A1 issued (of total) |
|---|---------------------------------------|--|-------|---|----------------------|---------------------|----------------|-----------------------------------|--|--|---|---|---|---|--|---|
| | | | | Agriculture, hunting and fishing NACE A | Industry NACE B to F | | Services Total | Services NACE G to T | | | | | | | | |
| | | | | | Industry Total | Construction NACE F | | Wholesale and retail trade NACE G | Accommodation and food service activities NACE I | Transportation and storage; Information and communication NACE H and J | Freight transport by road NACE H - Group 49.4 | Financial and insurance; Real estate; Professional, scientific and technical activities; Administrative and support service activities NACE K, L, M and N | Temporary employment agency NACE N - Group 78.2 | Education, health and social work, arts and other services NACE P, Q, R and S | | |
| Belgium | | | | | | | | | | | | | | | | |
| Bulgaria | | | | | | | | | | | | | | | | |
| Czech Republic | | | | | | | | | | | | | | | | |
| Denmark | | | | | | | | | | | | | | | | |
| Germany | | | | | | | | | | | | | | | | |
| Estonia | | | | | | | | | | | | | | | | |
| Ireland | | | | | | | | | | | | | | | | |
| Greece | | | | | | | | | | | | | | | | |
| Spain | | | | | | | | | | | | | | | | |
| France | | | | | | | | | | | | | | | | |
| Croatia | | | | | | | | | | | | | | | | |
| Italy | | | | | | | | | | | | | | | | |
| Cyprus | | | | | | | | | | | | | | | | |
| Latvia | | | | | | | | | | | | | | | | |
| Lithuania | | | | | | | | | | | | | | | | |
| Luxembourg | | | | | | | | | | | | | | | | |
| Hungary | | | | | | | | | | | | | | | | |
| Malta | | | | | | | | | | | | | | | | |
| Netherlands | | | | | | | | | | | | | | | | |
| Austria | | | | | | | | | | | | | | | | |
| Poland | | | | | | | | | | | | | | | | |
| Portugal | | | | | | | | | | | | | | | | |
| Romania | | | | | | | | | | | | | | | | |
| Slovenia | | | | | | | | | | | | | | | | |
| Slovak Republic | | | | | | | | | | | | | | | | |
| Finland | | | | | | | | | | | | | | | | |
| Sweden | | | | | | | | | | | | | | | | |
| United Kingdom | | | | | | | | | | | | | | | | |
| Iceland | | | | | | | | | | | | | | | | |
| Liechtenstein | | | | | | | | | | | | | | | | |
| Norway | | | | | | | | | | | | | | | | |
| Switzerland | | | | | | | | | | | | | | | | |
| Total postings | | | | | | | | | | | | | | | | |

Posting of workers

| Number of PD A1 issued by sector of economic activity according to <u>Art. 13</u> of Regulation (EC) No 883/2004 on the coordination of social security systems: | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------|---|----------------|---------------------|----------------------|-----------------------------------|--|--|---|---|---|---|--|---|--|--|--|--|--|--|--|--|--|
| | Total | Sectors of economic activity (of total) | | | | | | | | | | | Number of 'unique' persons who received a PD A1 (of total) | Average duration in days of all PD A1 issued (of total) | | | | | | | | | |
| | | Industry NACE B to F | | | Services NACE G to T | | | | | | | | | | | | | | | | | | |
| | | Agriculture, hunting and fishing NACE A | Industry Total | Construction NACE F | Services Total | Wholesale and retail trade NACE G | Accommodation and food service activities NACE I | Transportation and storage, information and communication NACE H and J | Freight transport by road NACE H - Group 49.4 | Financial and insurance, Real estate, Professional, scientific and technical activities, Administrative and support service activities NACE K, L, M and N | Temporary employment agency NACE N - Group 78.2 | Education, health and social work, arts and other services NACE P, Q, R and S | | | Human health and social work activities NACE Q | | | | | | | | |
| Employed, working in two or more States (box 3.2 of PD A1) | | Please leave this space empty | | | | | | | | | | | | | | | | | | | | | |
| Self-employed, working in two or more States (box 3.4 of PDA1) | | Please leave this space empty | | | | | | | | | | | | | | | | | | | | | |
| Working as an employed person and as a self-employed person in different States (box 3.8 of PDA1) | | Please leave this space empty | | | | | | | | | | | | | | | | | | | | | |
| Total number of PD A1 issued according to Art. 13 (boxes 3.2 + 3.4 + 3.8) | | | | | | | | | | | | | | | | | | | | | | | |

ANNEX 4 PORTABLE DOCUMENT A1

A1

Coordination of Social Security Systems

Certificate concerning the social security legislation which applies to the holder

EU Regulations 883/2004 and 987/2009 (*)

INFORMATION FOR THE HOLDER

This certificate concerns the social security legislation which applies to you and confirms that you have no obligations to pay contributions in another State.

Before you leave the State where you are insured to go to another State to work, make sure you have the documents which entitle you to receive the necessary benefits in kind (e.g. medical care, treatment in hospital, and other) in the State where you are working.

- If you are staying temporarily in the State where you are working, ask your health care institution for the European Health Insurance Card (EHIC). You must show this card to your health care provider if you need benefits in kind during your stay.
- If you are going to be living in the State where you are working, ask your health care institution for the S1 document and submit it as soon as possible to the competent health care institution of the place you are going to work (**).

Provisionally the insurance institution in the State of stay will also provide special benefits in the event of an accident at work or an occupational disease.

1. PERSONAL DETAILS OF THE HOLDER

| | | | | |
|---------------------------------------|--------------------------|-----------------|--------------------------|------|
| 1.1 Personal Identification Number | <input type="checkbox"/> | Female | <input type="checkbox"/> | Male |
| 1.2 Surname | | | | |
| 1.3 Forenames | | | | |
| 1.4 Surname at birth (**) | | | | |
| 1.5 Date of birth | 1.6 Nationality | | | |
| 1.7 Place of birth | | | | |
| 1.8 Address in the State of residence | | | | |
| 1.8.1 Street, N° | 1.8.2 Town | 1.8.3 Post code | 1.8.4 Country code | |
| 1.9 Address in the State of stay | | | | |
| 1.9.1 Street, N° | 1.9.2 Town | 1.9.3 Post code | 1.9.4 Country code | |

2. MEMBER STATE LEGISLATION WHICH APPLIES

| | | | |
|--|-----------------|--|--|
| 2.1 Member State | | | |
| 2.2 Starting date | 2.3 Ending date | | |
| <input type="checkbox"/> 2.4 The certificate applies for the duration of the activity | | | |
| <input type="checkbox"/> 2.5 The determination is provisional | | | |
| <input type="checkbox"/> 2.6 Transitional rules apply as provided for by Regulation (EC) No 883/2004 | | | |

(*) Regulations (EC) No 883/2004, Articles 11 through 16, and Regulation (EC) No 987/2009, Article 19.
 (**) For Spain, Sweden and Portugal, the certificate must be handed over to, respectively, the head provincial offices of social security National Institute (INSS), the social insurance institution and the social security institution of the place of residence.
 (***) Information given to the institution by the holder when this is not known by the institution.

A1



Certificate concerning the social security legislation which applies to the holder

3. STATUS CONFIRMATION OF YOUR POSITION

- 3.1 Posted employed person
- 3.2 Employed, working in two or more States
- 3.3 Posted self-employed person
- 3.4 Self-employed, working in two or more States
- 3.5 Civil servant
- 3.6 Contract staff
- 3.7 Mariner
- 3.8 Working as an employed person and as a self-employed person in different States
- 3.9 Working as a civil servant in one State and as an employed/self-employed person in one or more other States
- 3.10 Flight or cabin crew member
- 3.11 Exception

4. DETAILS OF EMPLOYER/SELF-EMPLOYMENT

- 4.1.1 Employee
- 4.1.2 Self-employed activity
- 4.2 Employer/self-employed activity code
- 4.3 Name or business name
- 4.4 Registered address
- 4.4.1 Street, N°
- 4.4.2 Country code
- 4.4.3 Town
- 4.4.4 Post code

5. DETAILS OF EMPLOYER/SELF-EMPLOYMENT WHERE AN ACTIVITY IS PURSUED

- 5.1 Name(s) or business name(s) and code(s) of the firm(s) or ship(s) or the home base(s) where you will be employed
- 5.2 Address(es) or name(s) of ship(s) or the home base(s) where you will be (self) employed in the 'host' State(s)
- 5.3 Or no fixed address in State(s) of (self)employment

A1



Certificate concerning the social security legislation which applies to the holder

5. INSTITUTION COMPLETING THE FORM

| | |
|---------------------|------------------|
| 6.1 Name | |
| 6.2 Street, N° | |
| 6.3 Town | |
| 6.4 Postcode | 6.5 Country code |
| 6.6 Institution ID | |
| 6.7 Office fax N° | |
| 6.8 Office phone N° | |
| 6.9 E-mail | |
| 6.10 Date | |
| 6.11 Signature | |

STAMP

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