Devolution of Animal Health in Scotland

- Transfer of Functions Order 1955
- May 1999 – Scottish Parliament
  - full legislative powers
  - Scotland Act requires full implementation of all EU legislation

Cooperation at UK level
- GB wide Animal Health agency
- UK reference labs
- access to UK experts
- UK CVOs’ meetings
Infected premises in Surrey

- IP1 – 3 August 2007
- IP2 – 7 August
- IP3 – 12 September
- IP4 – 14 September
- IP5 – 17 September
- IP6 – 21 September
- IP7 – 24 September
GB wide movement bans

3 August
- movement ban in England & Wales and Scotland

24 August - England
- PZ merged with SZ
- farm to farm movements of animals outside SZ with 20 day standstill

3 September - England
- movements via markets outside SZ with 20 day standstill

8 September
- SZ restrictions lifted, reversion to 6/13 day standstills

12 September
- movement ban in England & Wales and Scotland
Veterinary risk assessments - Scotland

- Movement direct to slaughter – 7 August
- Fallen stock collection – 9 August
- Movement of weaned piglets, sows or cows close to parturition – 9 August
- Scottish Islands - removing the Restricted Zone measures – 10 August
- Scottish Islands to a single premises on the Scottish mainland – 10 August
- Farm to farm in same business within 8 km – 16 August
- Welfare movements – 16 August
- Collection centres – 20 August
- Sheep shearers and dippers – 20 August
- Lifting national movement ban with safeguards – 22 August
- Animal gatherings – 22 August
- Male breeding animals – 28 August

- Emergency movement from markets – 12 September
- Artificial breeding – 14 September
- Farm to farm over 8km – 23 September (being reviewed)
  - including livestock services
EPIC risk studies - tracings

- 20 km around Pirbright – in August
  - from 15 July onwards
- 50 km around Pirbright – in September
  - from 15 July onwards
- 3 direct cattle movements to Scotland
  - all from outside SZ
  - all destination farms inspected, all negative
- no direct movements of sheep, goats or pigs
- 26 farms had indirect contacts
  - all from outside SZ
  - all destination farms inspected, all negative
50Km Buffer around Pirbright Laboratory

Confidential

Produced by LM Team at Worcester AHDD on 24/09/2007

Scale - 1:155,000

0 5 10 20 Kilometers
Contact tracing of sheep from the 20km risk zone to Scotland

42/093/0115

21 July 6

52/216/8001

75/297/0091✓ 92/770/0020✓ 56/100/0269

2 August

75/297/7005

35/280/8001

28 July

83/538/0118
92/771/0037
Risk of local FMD spread resulting from potential introductions to Scotland during the 2007 FMD outbreak.
Contact tracing of cattle from 50km around Pirbirght into Scotland

- **15/225/0098**
  - 1 Aug
  - **71/273/0034**

- **03/099/0015**
  - 21 Jul
  - **52/216/8001**
    - 26 Jul
    - **66/031/0206**
    - 26 Jul
    - **98/859/0017**

- **15/059/0335**
  - 10 Sept
  - **67/118/0008**
EPIC risk studies – detection

Time to detection analysis

- used SAS © system for Windows
  - Kaplan- Meier method
- estimated probability of one Scottish holding remaining undetected
  - assumed 100% on 4 August
  - calculated <50% by 20 August
  - calculated <10% by early September
  - calculated down to ‘normal’ by 17 September
Detected at longest on a sheep farm in 4 (FOUR) weeks
On a cattle, pigs or mixed farm in 3 weeks
Any licenced move off the farm or move within a business equals detection
Detected at longest on a sheep farm in 6 (SIX) weeks
On a cattle, pigs or mixed farm in 3 weeks
Any licenced move off the farm or move within a business equals detection

Probability of not detecting FMD given any single livestock farm in Scotland is infected

Detected at longest on a sheep farm in 6 (SIX) weeks
On a cattle, pigs or mixed farm in 3 weeks
Any licenced move off the farm or move within a business equals detection
Sheep movements to farms from a northern market in August and September 2006
Sheep movements to farms from Kelso Ram Sale 2006
Easing controls in Scotland in August

- day 0 – milking cows across road – 3 August
- day 2 – vet treatment
- day 6 – direct to slaughter; welfare
- day 8 – islands de-restricted
- day 12 – pigs < 50km (or 100 km)
- day 13 – farm business < 8km – 16 August
- day 14 – islands to mainland
- day 18 – collection centres; multi pickups for pigs
- day 20 – farm to farm (with 20 day rule) – 24 August
- day 32 – markets (with 20 day rule) – 27 August
- day 37 – pre-FMD movement rules – 8 September
Easing controls in Scotland in September

- **day 0**
  - milking cows;
  - vet treatment;
  - direct to slaughter;
  - welfare;
  - islands de-restricted

- **day +3** – islands to mainland
- **day +4** – collection centres; multi pickups for pigs
- **day +8** – farm business < 8km; pigs < 50km (or 100 km)
- **day +12** – farm to farm (with 20 day rule)
Welfare issues

- Scottish sheep production is seasonal
- Winter grazing only supports 20-33% of the summer flock
- Lambs and cast ewes must move from September onwards
- 250K light lambs (<25 kg) exported to EU
- Autumn has arrived early, snow on the hills