

Sept 2007 review of UK Mobile Number Portability

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15 minute Update – Agenda

- Background to MNP in UK
 - Current MNP Procedures for Porting
 - Routing Procedures for Ported Numbers
- Experience in trying to establish MNP
 - MCom experience
 - SS7 Hub or not
- On Horizon
 - Reformed OSG
 - Dovetail into “UK Porting Co”
- Questions

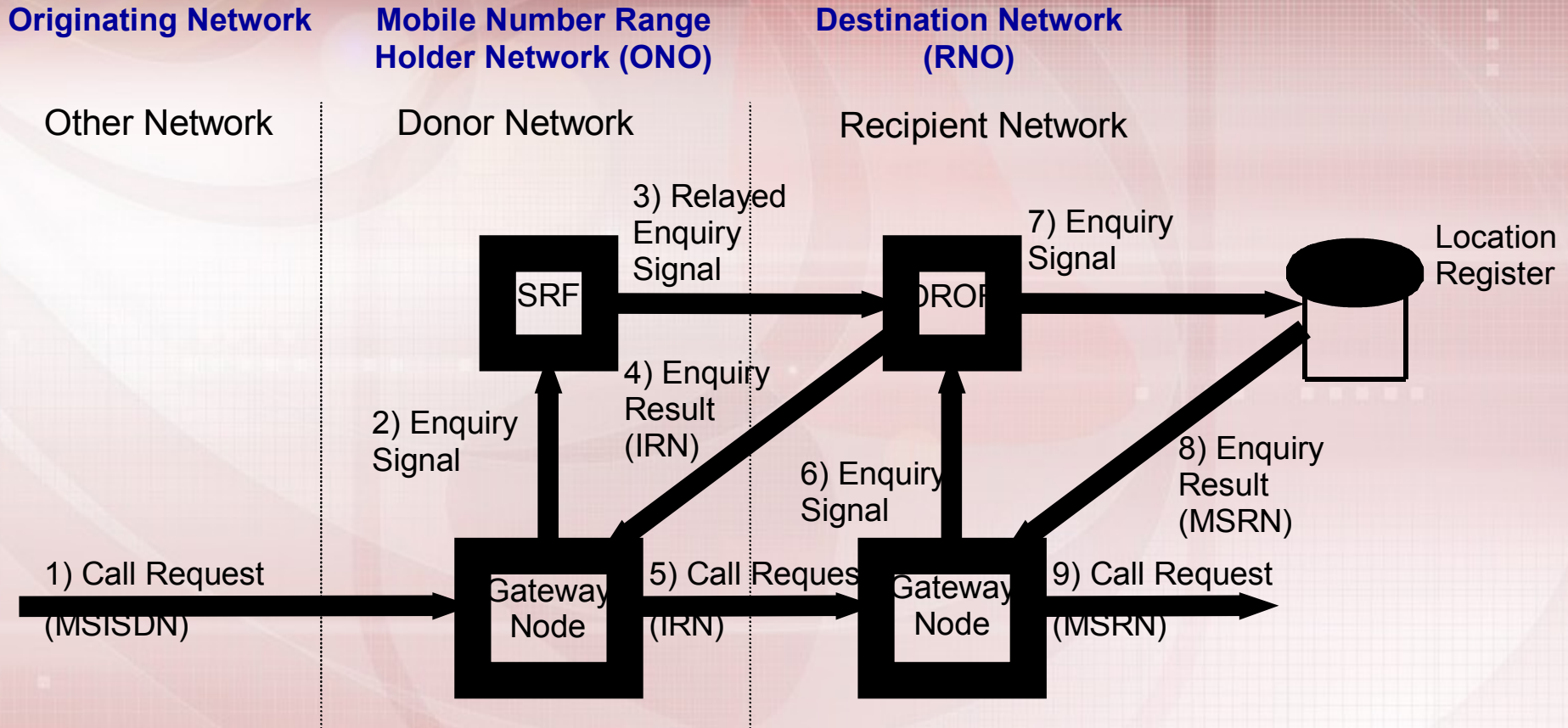


Current UK MNP Process for Porting

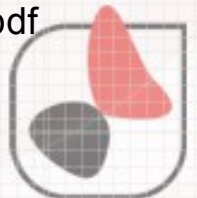
- Procedures for Porting Numbers (Import & Export)
 - Ofcom Document: OPF-MNP FG Mobile Number Portability Focus Group - Porting Process Manual, Issue 1.7, June 2001.
 - MNP OSG
 - MNP Web System
 - File Transfers
 - Residual Subscription Records
 - Bilateral MNP Agreements
- Procedures for Routing Calls & Messages to Ported Numbers.
 - Ofcom Document: PNO-ISC Service Description Number 008 - Mobile Number Portability, Issue 2, August 2005.
 - DROF
 - Interconnect for Calls & Messages
 - Mobile Termination Rates for Calls & Messages
 - Interconnect Agreements
 - currently part of the Bilateral MNP Agreements
 - IR21s for International Connectivity



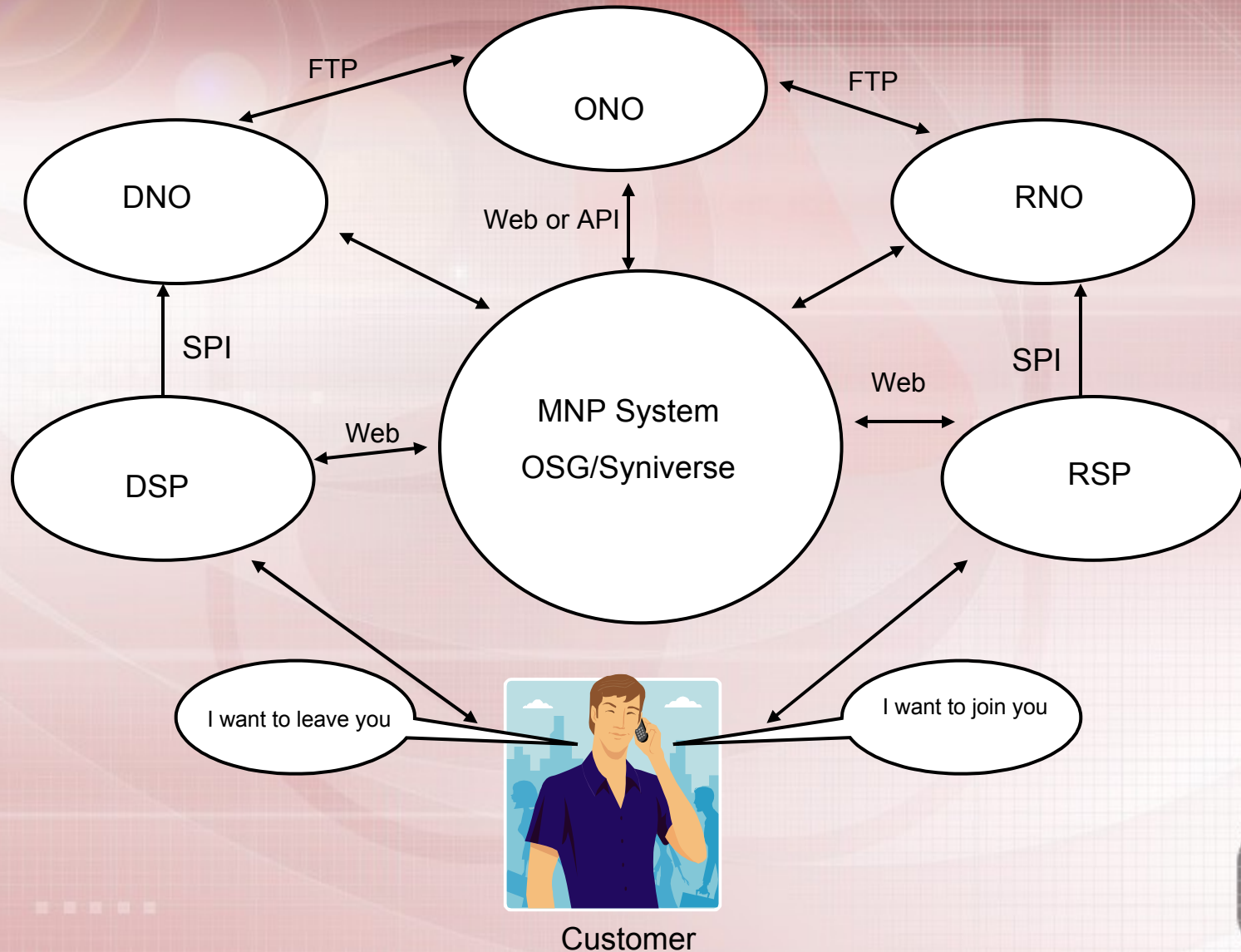
Recipient Direct Routing Override Function (DROF) for Calls: Indirect Routing - The Norm



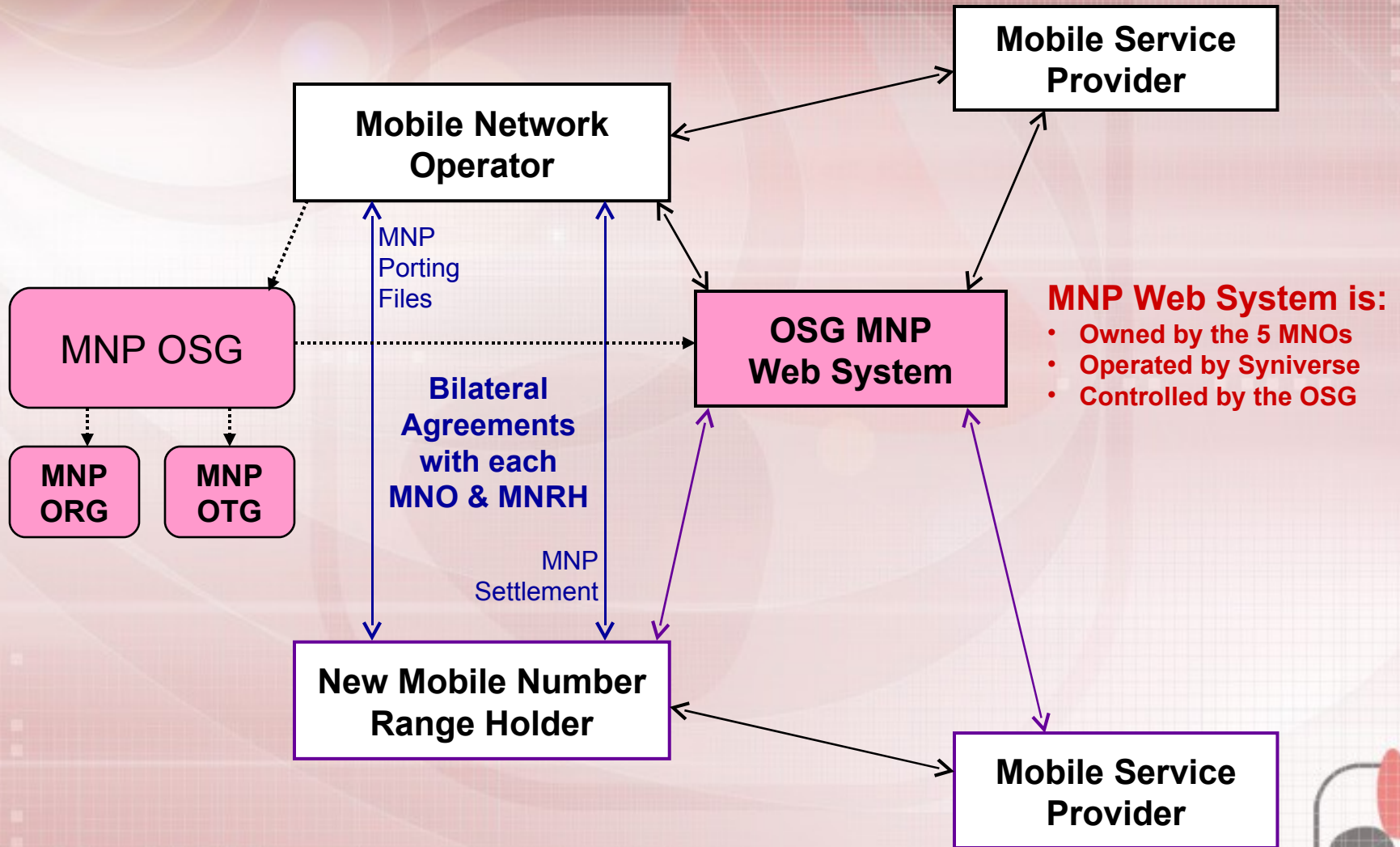
http://www.nicc.org.uk/nicc-public/Public/interconnectstandards/ser/nd1208_2005_08_2.pdf



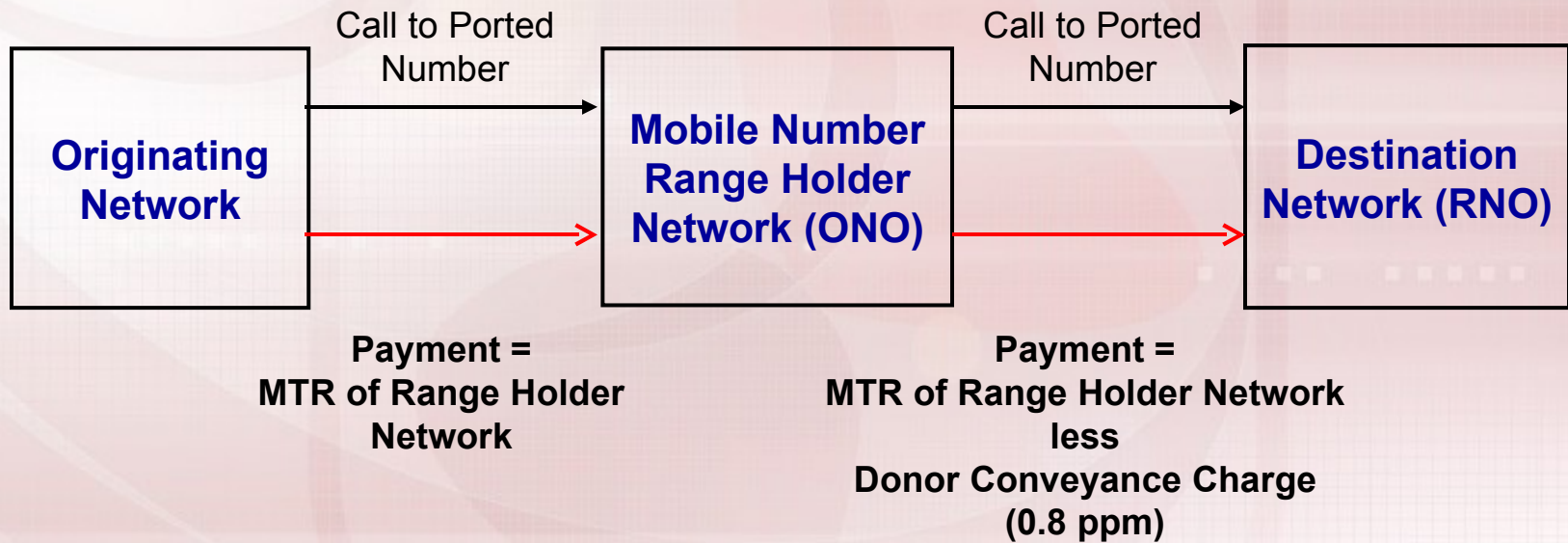
How do operators transfer ported number files? (E.g. Not call flow)



Overall MNP process



Current Billing relationship for ported number



MCom MNP Experience - History

Ofcom auctioned gsm/dect guard band spectrum April 2006

- MNC, Number block, point codes
 - A normal mobile service when in range of service (localised gsm)
- Request Interconnect
 - Voice – delay even when BT transit
 - What obligation to data fill?
 - SMS – No transit?
 - BT switches not sufficient CPU
 - MNP – OSG controlled asset
 - “quasi” cartel, non incorporated body, easy to veto
- All new Mobile Number holders advised by Ofcom to join the MNP OSG to meet their GC18 obligations for MNP – however all applications refused
- Largest and smallest join and approach Ofcom
 - December 2006 – 1st group discussion
 - Numerous point-of-principle grandstanding, H3g refuse to play until SMP imposed - OSG deadlocked
 - Chicken and egg on numerous issues
 - Unreasonable costs for low porting volume



MCom Experience - Current

- New constitution drafted (painful process)
- Constitution (as of today) not yet enacted by major MNO's
 - New constitution creates two tier system
 - System owners – who empower Syniverse to commercially offer access to others
 - Participating Members
 - Participating members pay to use system on per port basis, with minimum monthly cost
- OSG Technical Work group
 - Use of SFTP instead of FTP/ISDN for file transfer
 - SS7 hub review, review of Sigtran as option
- Project Plan at least four months behind schedule
- Syniverse begin adding first batch of new entrants to system



UK MNP - Outlook

- At some point in 2008 first new entrant applications for MNP will come to fruition – BT will be first as they have existing TDM connections
- Until major MNO's migrate to SS7/IP (Sigtran) legacy E1's will be required for interconnect if hub rejected
- New entrants likely to support Sigtran from outset
- Awaiting outcome of current Ofcom consultation on new porting timetable
- Direct routing on horizon
- MNP OSG will need to dovetail to overall UK porting



Questions ?

