

N4 Design Options

- N3-JANET gateway
- N3/N4 high level statements
- N4 Progress
- N4 - Achievements to date
- N4 Key Programme Milestones
- N4 Engagement
- Design diagrams

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N3 / JANET Gateway

- Initial requirement - to allow suitable joint access of systems for staff and students that work in both NHS and HE organisations
- Pilot N3 JANET Gateway implemented in November 2007
- Phase 1 N3-JANET Gateway Service from June 2010
- Currently allows authorised users operating in NHS networks to access information and services in academic networks
- Phase 1 delivered:
 - Two 250Mbps gateways (BT Etherflow) at London and Manchester
 - Support traffic between N3 and JANET for “sessions initiated in N3”
 - The Gateways to allow the continuation of early adopter activity for the JVCS videoconferencing
- Phase 2
 - Purpose: To provide bi-directional service enabling users in academic networks to access information and services in NHS networks
 - Status: PID approved. Discussions to agree security model ongoing

N3/N4 - High Level Statements

- N3 is the infrastructure that underpins a health IP economy
- N3 is a market place that supports multiple suppliers and customers organisations
- The N4 project will deliver PSN for Health, therefore all new service provision under N4 will be “PSN ready”
- There will be a requirement to support existing N3 service provision during transition for up to 3 years
- PSN is not only new to Health, but to all other government departments, and importantly to all of the service providers:
 - Connectivity – Telcos
 - Services – systems suppliers i.e. GPSoC, PACS, PAS, ETP, Spine etc.

High Level Statements - What is N4

- A network through which health delivers and consumes services, and exchanges information, encouraging competition from multiple suppliers.
- There should be a clear competitive market for connectivity and services.
- We believe that NHS organisations should be able to procure their connectivity through either direct connections to the N4 network, through health-specific regional networks, or through shared regional networks.
- Access to N4 hosted services will be made available to those organisations that have a legitimate need to consume them, subject to appropriate security and information governance.

N4 Progress - Programme Feasibility & Initiation

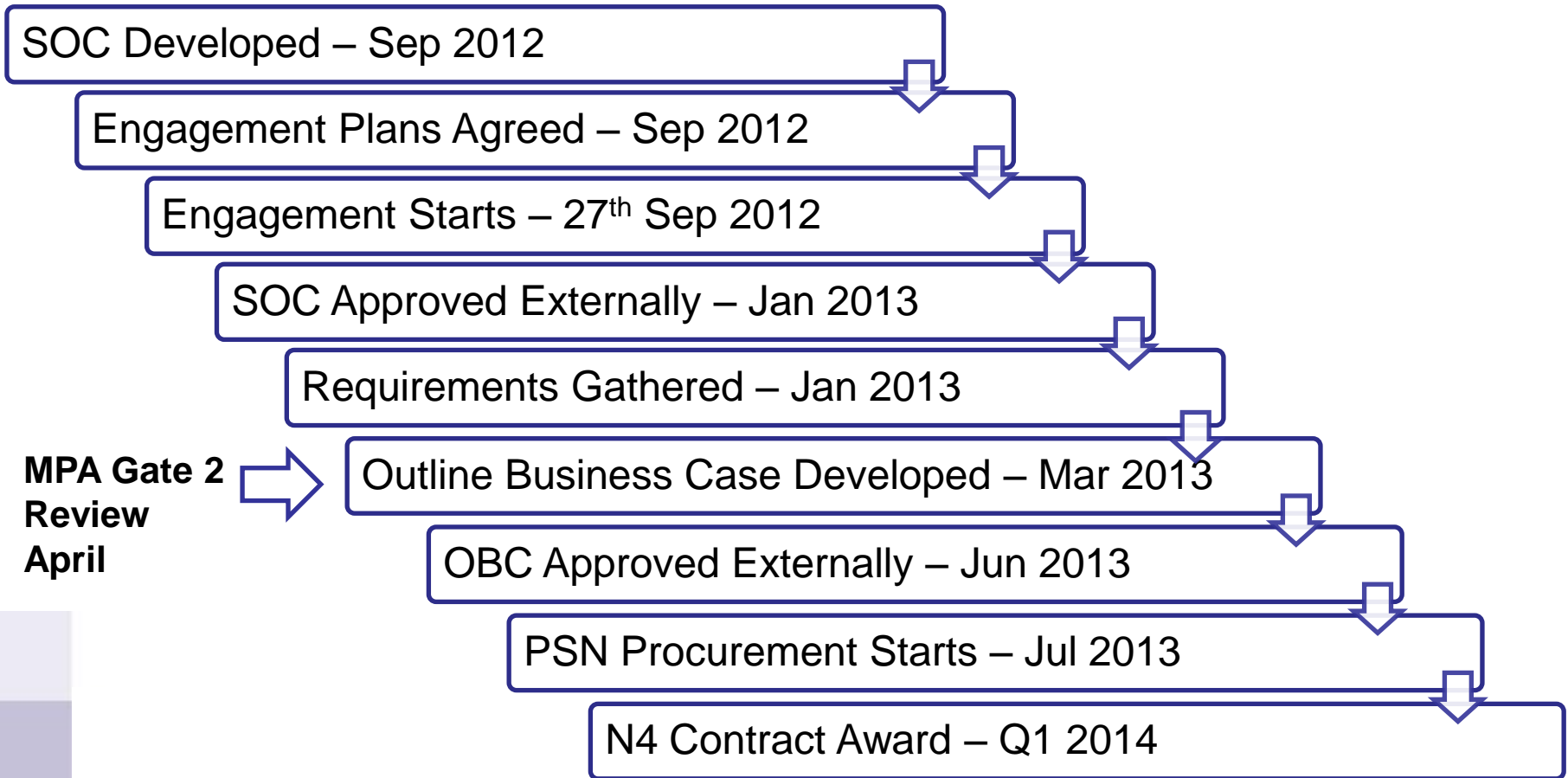
- Feasibility
 - Programme Team established
 - NHSCB agreement to sponsor the programme
 - Programme work stream leads in place
 - Programme board in place
 - PSN & Cabinet Office engagement – procurement
 - DH engagement - policy direction and support for N4

- Initiation
 - Development of a high level vision for N4
 - Broad range of options for building an N3 successor
 - Identification of indicative N4 costs
 - Development of a Strategic Outline Case (SOC)
 - Engagement Strategy developed
 - High level project plan and detailed workstream plans developed

N4 - Achievements to date

- Submission of Strategic Outline Case (SOC) for internal approval
- Programme plan agreed and activities ongoing
- Two health engagements events (Leeds/London) to help garner initial requirements and test the structure for larger NHS engagement events
- Agreement through engagement that the PSN frameworks are viable for delivery of an N3 successor network
- Three lessons learned / scoping exercises with N3SP completed
- Engagement plans agreed and built upon from lessons from initial engagement sessions

N4 Key Programme Milestones



N4 Engagement – Future: late 2012/early 2013

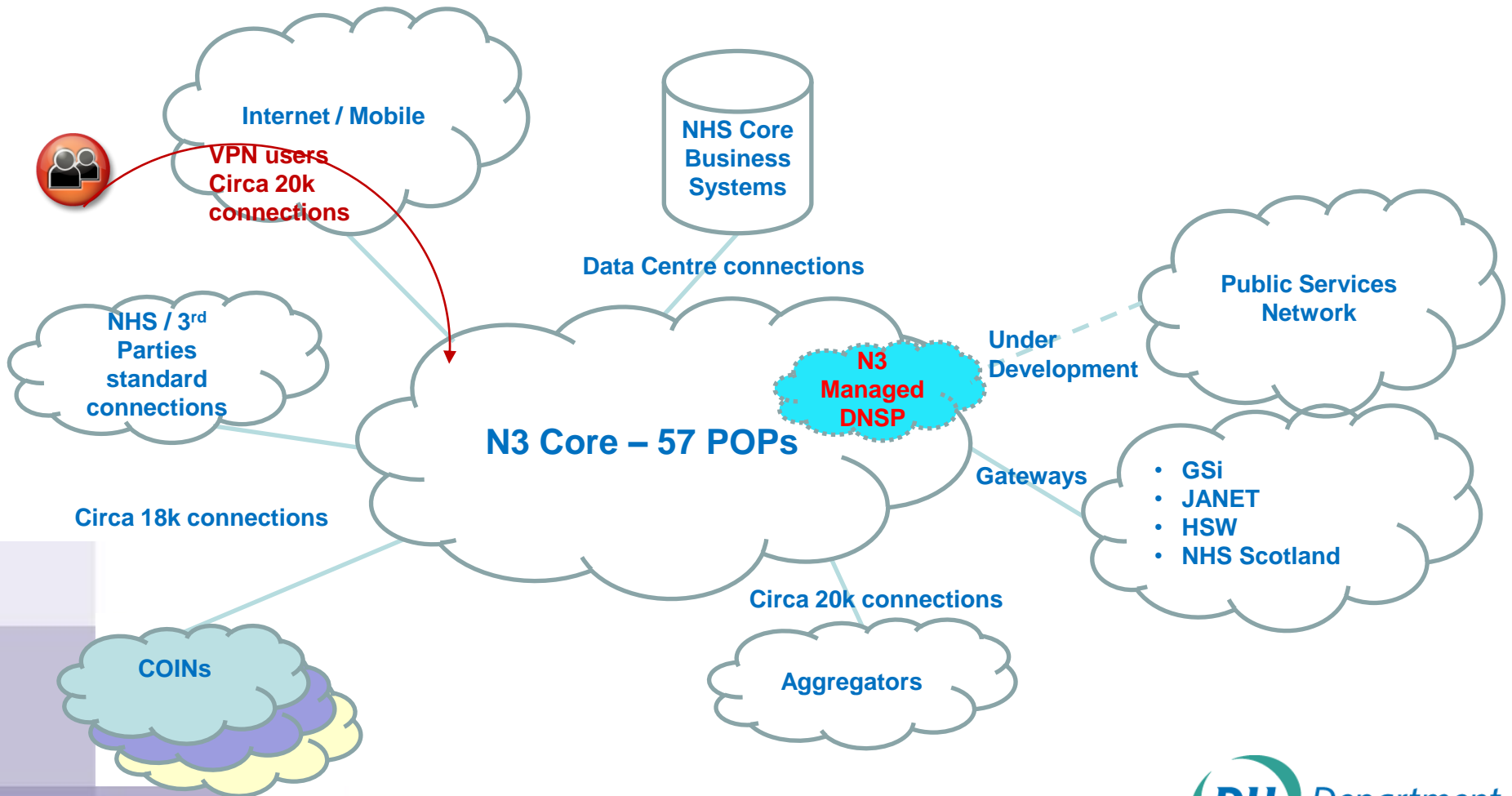
Engagement Strategy	Aim	Engagement sessions	Key Stakeholders	Output
	Build N4 requirements from the ground up	<ul style="list-style-type: none"> • Listen • Challenge current thinking • Learn lessons from N3 	<ul style="list-style-type: none"> • N3SP • Health • Social Care • Local Authorities 	N4 requirements

Timescales: September 2012 to January 2013

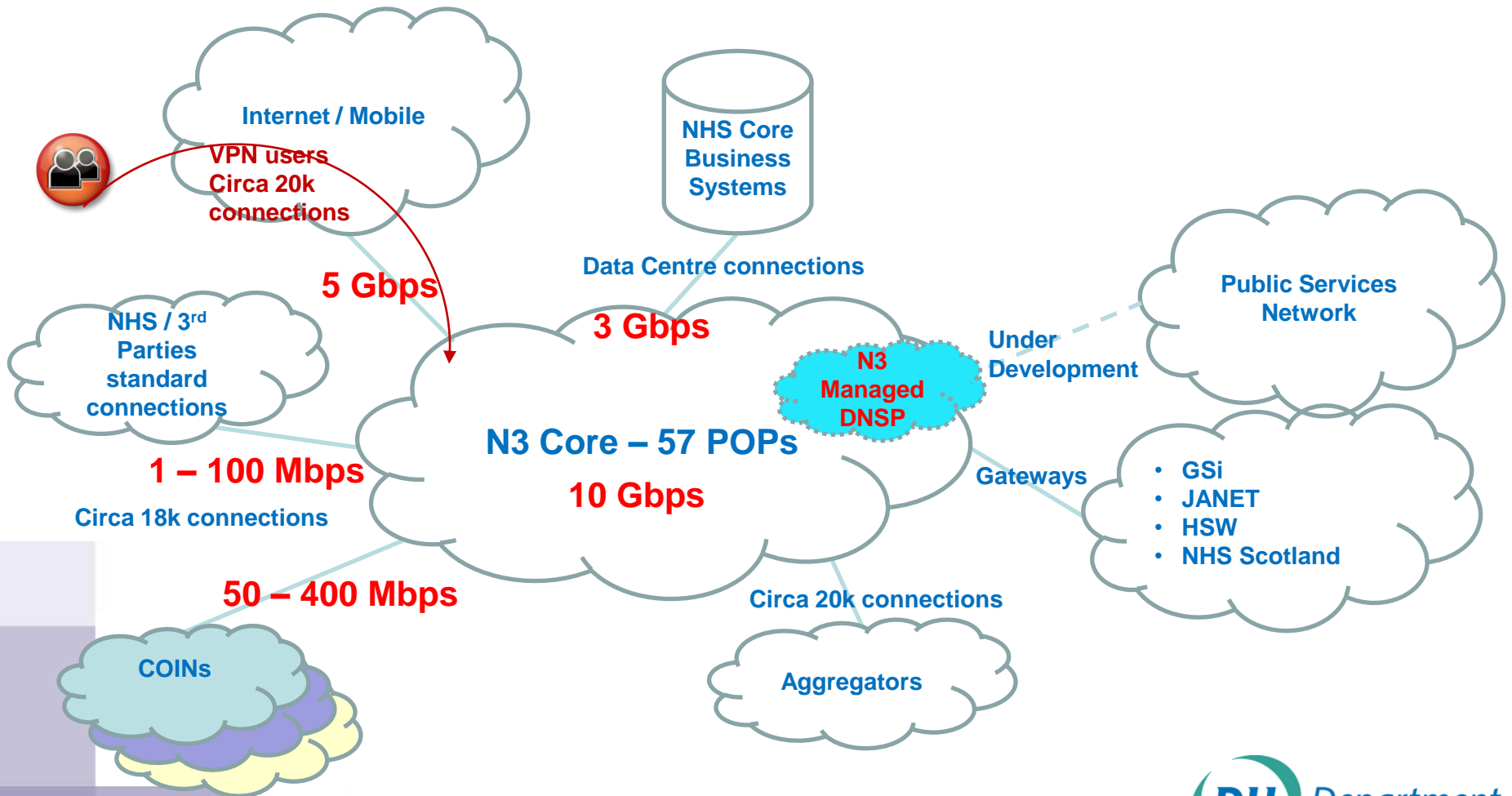
Engagement Timeline

2012												2013												2012											
Q1			Q2			Q3			Q4			Q1			Q2			Q3			Q4			Q1			Q2			Q3			Q4		
J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
<ul style="list-style-type: none"> • Early Health engagement (completed) • N3SP engagement commenced • N3 Utilisation baseline investigations started (Sample sites identified. Standard data collated. Network probe study planned for 10% of sample) • Engagement with other CFH Programmes started (Questionnaire responses being collated. More detailed engagement planned) <ul style="list-style-type: none"> • Online Engagement Tool launched • Specific Health engagement sessions (Nov/Dec) • Engagement with PSN/Cabinet Office (planned 5/11/12) • LA/Social Care Engagement (planned 27/11/12) <ul style="list-style-type: none"> • Engagement with LOT 10 Suppliers (Expression of interest ascertained. Workshops arranged for 12/12) • CCG's (Late 2012 / Early 2013) • CSU's (Late 2012 / Early 2013) • Professional Bodies (Late 2012 / Early 2013) • Cross-Government Programmes (Late 2012 / Early 2013) • Private company's delivering NHS services (Late 2012 / Early 2013) • Pharmacies (Late 2012 / Early 2013) 																																			

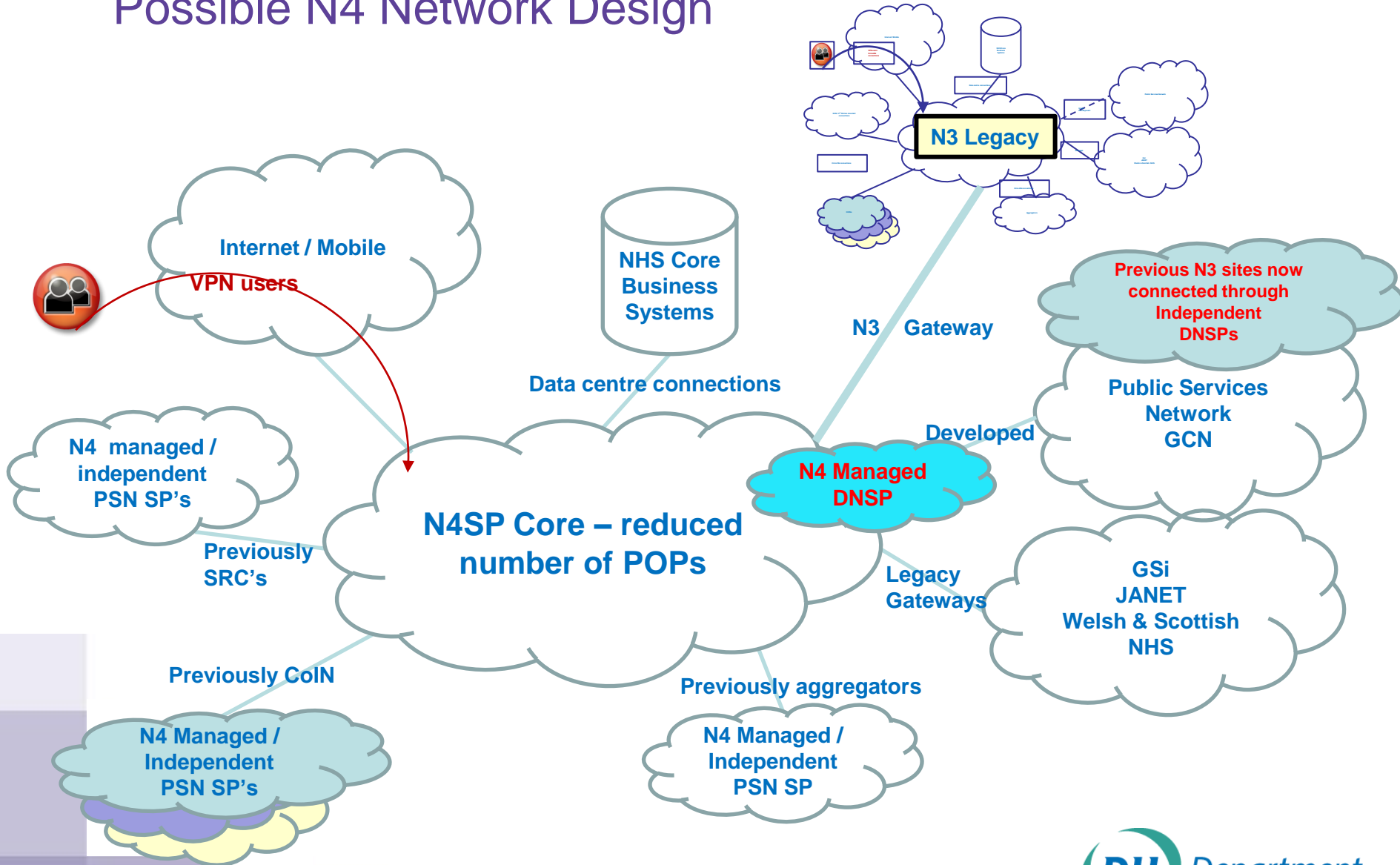
Existing N3 Network Design



Existing N3 Network Design – link capacities



Possible N4 Network Design



N4 contacts

- Website:
<http://www.connectingforhealth.nhs.uk/systemsandservices/n3/n4>
- Mailbox
N4.questions@nhs.net

Thank you

Questions?