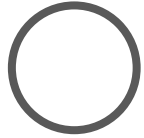# RM6116 Network Services 3 UK Authority Places & Communities
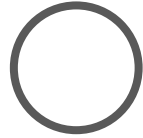
Power to your **procurement**

Crown Commercial Service
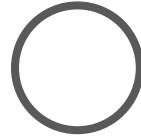
Introduction to CCS

We are the biggest public procurement organisation in the UK

We use our commercial expertise to help buyers in central government and across public and third sectors.

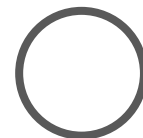**The 4 pillars that make up CCS**

Technology, People, Corporate & Buildings.

Provide value for money

In 2021/22 we helped our customers achieve commercial benefits totalling over £2.8 billion of public money by using our agreements.

Compliant with procurement regulations

Buying through CCS complies with procurement regulations but simplifies the process for buyers.

Crown
Commercial
Service

Government spends over £19bn on technology per year

Central Government - £7.7bn

25	Government Departments
362	Arms Length Bodies
20	Non Ministerial Bodies
405	Other public Bodies

800+ organisations

£5.6bn

72% use CCS services

Power to your **procurement**

Wider Public Sector - £11.3bn

£2.6bn	Health & NHS
£2.9bn	Education
£3.1bn	Local Councils
£2.8bn	Other (including Police, Fire etc.)

10,000+ organisations

£2.4bn

21% use CCS services

Network Services
Category agreement(s) overview

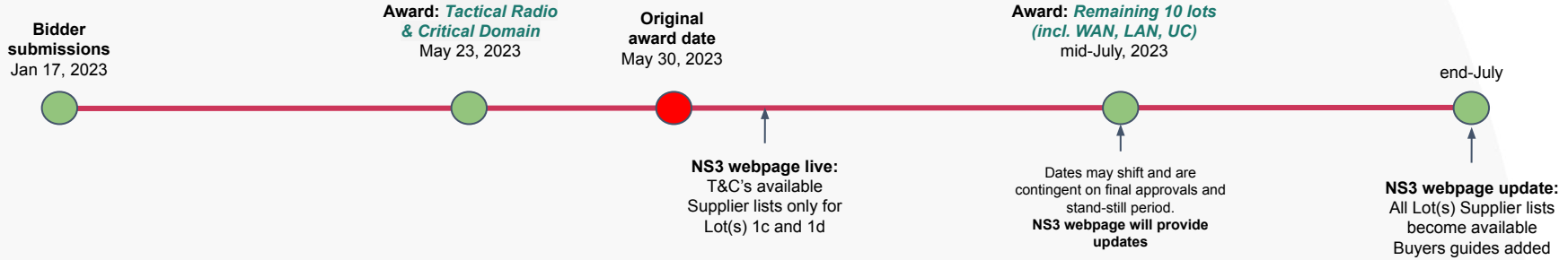| Networks Services 3	Mobile, Voice & Data Services	Space-Enabled and Geospatial Services	Complementary agreements
Agreement ID: RM6116 Expiry date: 22/05/2025 *(2 year extension option)* Scope: Solution provision in all key areas of connectivity, unified communication services, core network infrastructure, radio, satellite networks and contact centres. Tactical Radio, Critical domain services, IoT, Smart connected spaces.	Agreement ID: RM6261 Expiry date: 12/12/2024 *(2 year extension option)* Scope: Mobile device and airtime, audit & health check services (usage optimisation), professional services (service integration) & security solutions. Focus on mobile voice and data standardisation.	Agreement ID: RM6235 Expiry date: 10/10/2024 Scope: Dynamic purchasing system. Supporting UK national space strategy. Remote geospatial, locational, communication and sensing capabilities. Digital applications making use of geospatial data to create interactive maps.	**HSCN Access services** (RM3825 - DPS) Access data networks for Health and Social care services **Gigabit capable Connectivity** (RM6095 - DPS) Fibre optic Infrastructure services **AV Technical consultancy & commissioning** (RM6225 - DPS) Complex Audio visual design **PSN Core services** (RM6167) DNS services (see NS3 Critical domain management services)

Our Mission:
*The '**enrichment**' and '**simplification**' of our Technology products offering to our Customers. All of which makes it easier to trade, drive **Customer/Supplier engagement to reduce the cost to the taxpayer** whilst remaining at the forefront of **Innovation within Technology.**

4

Timelines
Staggered go-live approach

Bidder submissions
Jan 17, 2023

Award: *Tactical Radio & Critical Domain*
May 23, 2023

Original award date
May 30, 2023

NS3 webpage live:
T&C's available
Supplier lists only for
Lot(s) 1c and 1d

Award: *Remaining 10 lots (incl. WAN, LAN, UC)*
mid-July, 2023

Dates may shift and are contingent on final approvals and stand-still period.
NS3 webpage will provide updates

end-July

NS3 webpage update:
All Lot(s) Supplier lists become available
Buyers guides added

Top customer question(s):

Q: Can "anticipated" supplier lists be shared ahead of the award date?
A: CCS can only announce which suppliers have been successful from the date of the Award.

Q: Where can we find the Terms and conditions and other helpful documents related to NS3?
A: Please visit our recently launched NS3 web-site.

Customer webinars:
May 31st
June 14th
July 19th

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Crown Commercial Service

Lot structure
Scope and structure

Design, Build & Deliver capabilities required (solution based service providers)

Inter site connectivity

Lot 1a
WAN - Data Access Services

Lot 1b
Commercial Radio

Lot 1c
Tactical Radio

Lot 1d
Critical Domain Services

Intra site connectivity

Lot 2a
LAN - Local Connectivity Services

Emerging technologies

Lot 3a
IoT & Smart Cities
CCTV & surveillance (ancillary)

Lot 3b
Communication Platform as a Service

### Unified Communications

Lot 4a
Analogue Telephony

Lot 4b
Digital Communication services
(Unified Communications)

Lot 4c
Contact Centre

Lot 4d
Inbound Telephony

Lot 4e
Paging and alerting

Colour key
- ☐ *Lots from NS2*
- ☐ *Modified for NS3*
- ☐ *New lots for NS3*

Emerging technologies
Scope perimeter

Lot name	Primary Services	Technology, equipment & solutions ***
Lot 3a **IoT & Smart Cities** **CCTV & surveillance (ancillary)**	Access to solutions related to Smart Technologies, also referred to as "Smart shared and connected spaces", and Internet of Things. Applications including but not limited to: Smart buildings, water & waste management, crime prevention, education, smart street lighting, air and noise pollution monitoring.	• design, survey, build, management, support and maintenance services • vendor agnostic solution design • "Edge" sensor technologies, connectivity, data analytics platforms and visualisation applications. • all forms of WAN connectivity between sensors in the field and cloud-based or "on-premise" data management platforms. • Infrastructure monitoring, preventative maintenance, and break-fix activities • Data security and 3rd party integration into overall solution designs • Image recognition applications, alarms and security monitoring, CCTV as a service
Lot 3b **Communication Platform as a Service**	Access to software and hardware integration services to allow the Buyers applications to be interfaced to the communications suite with API's (Application Programming Interface).	• design, build, test and deployment delivery and management, plus support and maintenance services • API development from communications suite to external omni-channel applications

Internet of Things (IoT) and Smart Cities
Growth Opportunity

- 2025 Estimated Global Market size: $2.4 trn
- UK share: ~10% $240 B
- 2020 Aug: Global Market size estimated at $1.5 trn
- Estimated compound annual growth rate: 24.3% - 24.7%

Market Segmentation

Figure 1: Global Smart City Market Segmentation ($bn in 2020), Frost and Sullivan.

Segment	Value
Smart Buildings	153.15
Smart Healthcare	228.90
Smart Transportation	136.35
Smart Infrastructure	206.25
Smart Energy	249.75
Smart Security	211.65
Smart Governance and Education	313.95

Solution providers: design, build & deliver

Edge Sensors	Connectivity	Data analytics platform	Visualisation applications

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Positive outcomes and applications:

- ***Smart Street Lighting***: Benefits include saving on energy, and subsequently reducing greenhouse gas emissions. Public spaces will become safer at night, resulting in reduced crime.
- ***Waste Management***: Real-time monitoring to improve the efficiency of waste collection, reducing the amount of litter and encouraging recycling.
- ***Water Management***: Detect and report leaks immediately. Monitoring of the water network means that it is possible for water to be distributed across a network as needed to prevent shortages. AI and predictive technology applied to watershed management, to predict flooding.
- ***Crime Prevention and Security***: Predictive policing, crime mapping, gunshot detection, smart surveillance, emergency response optimisation, body-worn cameras, and crowd management and home security systems. Incidents of assault, burglary and robbery could be reduced by 30% to 40% with such features.
- ***Education***: Video interaction devices, e-whiteboards, virtual reality and augmented reality, to deliver remote interactive lectures
- ***Traffic Management***: Real-time transit information, digital payments, predictive maintenance, intelligent traffic signals, smart parking, and various mobility as a service solutions. AI traffic management on smart road networks should, lead to faster travel with less congestion, and more energy efficient use – resulting in lower emissions.
- ***Environment (Air and Noise Pollution) Monitoring***: sensors can detect compliance with pollution limits, particularly in Clean Air Zones.

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NS3 Web Page

Keep in touch

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