General

The content of today’s presentations reflects ESA’s current approach regarding the extension of the GOF9 Frame Contract and the other Agenda points.

This approach is subject to changes due to operational, legal or procurement considerations, which may arise at a later stage.

The purpose of this Industry Day is to give an overview on these points both to companies, which are already involved in the GOF9 Frame Contract, as well as companies, which are interested in joining any of the GOF9 Consortia as Sub-Contractors or via the new Domain.

Any sensitive matters, which concern the contractual relationship between the Agency and individual Primes, will not be addressed in this forum.
Our overall Objectives

The proposed approach is expected to have the following positive effects:

- Consolidation of the GOF9 Work Packages regarding on-site Services
- Adaptation to evolved industrial landscape
- Introduction of new Service models
- Continuous compliance with legal requirements
- Reduction of administrative efforts and overheads
- Change of pricing structure and reduction of prices
Agenda

• Presentation of the current GOF9 Domains
• Structure of the GOF9 Frame Contract and Work Orders
• Consolidation of the GOF9 Work Packages regarding on-site Services
• Possibility to modify Consortia
• Financial Objectives
• Extension of the GOF9 Frame Contract by 5 years until June 2026
• New GOF9 Domain
• Schedule/Sequence of Implementation
• Fall-back Approach
• Questions & Answers
Presentation of the current GOF9 Domains
## Presentation of the Current GOF9 Domains

<table>
<thead>
<tr>
<th>Domain vs. Activity Type</th>
<th>Service Provision</th>
<th>Deliverables</th>
<th>Loan Employment</th>
</tr>
</thead>
<tbody>
<tr>
<td>OE: Operations Engineering Services</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>RO: Real-time Operations Services</td>
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<tr>
<td>IT: Mission Operations Infrastructure IT Services</td>
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<tr>
<td>GS: Ground Stations Engineering</td>
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<td>✔️</td>
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<td>DS: Data Systems</td>
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<tr>
<td>AD: Astro-dynamics</td>
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<tr>
<td>GSLE: Ground Stations Engineering Loan Employment</td>
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<td>DSLE: Data Systems Loan Employment</td>
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<tr>
<td>ADLE: Astro-dynamics Loan Employment</td>
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<td>✔️</td>
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</table>
OE Services

- Spacecraft Operations Engineering (SOE)
- ESTRACK Operations Engineering
- Ground System Engineering
- Simulations & Training Support
- System Validation Test Engineering
OE: SOE Services Details

- Study of Project Specific Characteristics and Ground Segment Documentation
- Preparation of Functional Requirements for the Project dedicated Flight Control Software
- Participation in the Analysis and Design of Satellite Operations
- Preparation of Functional Requirements for the Project dedicated Flight Control Ground Facilities
- Preparation of Flight Control and Contingency Procedures
- Mission Management and Mission Planning Support
- On-Board Software Maintenance Support
- Production of Project Specific Software Validation and Satellite Interface Validation Test (SVT) Procedures and Participation in SVT's
- Participation in the System Operations Validation Test (SOV), Training and Simulation Programmes
- Participation in Launch and Early Orbit Phase (LEOP) and Mission Critical Operations
- General Flight Control Support
- Spacecraft Performance Analysis
- Spacecraft Operations Management
RO Services

- Spacecraft Controller and Analyst Services

- Facilities available
  - Main Control Rooms
  - Dedicated Control Rooms
  - ESTRACK stations / Control Centre Services
  - Ground Station Reference Station for testing and validation
IT: Mission Operations Infrastructure IT Services

• Sustaining and evolution of the operational computer and communications infrastructure called Mission Operations Infrastructure IT (MOI-IT)

• Services provided within the frame of this contract are embedded into the MOI-IT service provisioning model. Interactions required with:
  - MOI-IT procurements service contract
  - MOI-IT and OCC Maintenance and Operations contract
  - Vendors maintenance contracts (e.g. Cisco, HP etc...)
  - Service Level agreement with ESA corporate IT

• 3 major aspects
  - MOI-IT and OCC systems
  - MOI-IT networks
  - Monitoring and Management Infrastructure
GS: Ground Station Engineering Services

• Engineering Services
  - Optical and electro-optical
  - Radar
  - Space Link Communication
  - Ground Station Back End
  - Modulation and coding
  - Antenna and Passive RF - Active RF
  - Ground Station Modem sustaining
  - Site infrastructure
  - Frequency and Timing
  - Front End Controller

• Reference Ground Station Services
  - Reference Ground Station Maintenance and Operations, signal processing
  - RF/optical communication Laboratory, Network Data Interface Unit
  - ESTRACK Corrective Maintenance, documentation
DS: Data Systems Engineering Services

- Ground Infrastructure Maintenance and User Support (GIMUS) ⇒ MCS, SIM, BE systems, generic applications and SDE Helpdesk
- MCS Integration, Test and Validation
- SIM Integration, Test and Validation
- Generic Applications Integration, Test and Validation
- Control Centre Integration, Test and Validation
- Back End Development Services
- Application Development Services
- Data Systems Infrastructure Security Management Services
- Mission Specific MCS / Simulator / Application Data Systems Management
- Mission Data System support during operations
AD: Flight Dynamics Engineering Services

- Flight Dynamics Operations Engineering
  - Orbit Determination
  - Manoeuvre Optimisation
  - Attitude Determination
  - Command Generation
  - AOCS Monitoring and Calibration
  - Test and Validation

- Flight Dynamics Systems Development
  - ORATOS Sustaining
  - ORATOS New Generation Engineering

- Flight Dynamics System Maintenance
  - Support layer
  - Application Layer

- Mission Analysis
AD: Navigation Engineering Services

- Precise Orbit Determination
- Space Geodesy
- GNSS Engineering
  - Receiver Systems
  - Data Acquisition
  - Data Dissemination
- Navigation Software Systems Engineering
- Navigation Operational Services Engineering
AD: Space Debris Engineering Services

- Space Debris Telescope Operations
  - Observation campaigns coordination
  - SD Observation system:
    . infrastructure maintenance
    . infrastructure upgrade
E2E: End to End Ground Segment Engineering

- Ground Segment Reference Station Integration and Testing services
  - End to end Ground Segment environment setup
  - End to end Integration and Testing
  - Generic Test Cases design
  - Automated testing
  - Test result analysis, failure investigation, solution definition support

- System of Systems level support tools and processes
  - model based system engineering
  - architecture and baseline definition
  - security testing
  - licensability analysis

- Placeholder for cross engineering domains services/deliverables procurements
Deliverables

• Infrastructure Data Systems: e.g. MICONYS, SIMULUS
• European Ground System Common Core (EGS-CC)
• Mission specific MCS, Simulator, MPS
• Data/service provision centres, application data systems
• Space Debris systems
• Navigation systems
• E2E Integration and Test tooling
Structure of the GOF9 Frame Contract and Work Orders
Structure of the GOF9 Frame Contract and Work Orders

The GOF9 Frame Contracts have been awarded per above described Domain.

The GOF9 Frame Contract as such does not award any work to the GOF9 Consortia.

Instead, work is awarded by way of Work Orders (WOs) or Contract Change Notices to WOs.

The WOs are awarded as a result of a competitive Procurement process (Request for Proposal - RFP) amongst the Primes/Consortia per GOF9 Domain, all in accordance with the detailed WO procedure, which is an Appendix to the GOF9 Frame Contract.

Depending on the matter at hand, on-site Service WOs are typically awarded on an annual basis or as multi-year WOs.

Any extension of the GOF9 Frame Contract only relates to the duration of the Frame Contract as such. It does not entail an extension of the WOs awarded to the GOF9 Consortia at the relevant point in time.
Structure of the GOF9 Frame Contract and Work Orders

Any extension of WOs requires a dedicated CCN to the relevant WO, which the Agency may or may not grant, independently from the extension of the GOF9 Frame Contract.

Currently, the work under GOF9 is somewhat fragmented under numerous WOs.

One of the important objectives of the intended exercise is to consolidate in particular the WOs for on-site Services, such that larger tasks are covered under one Work Order.
Structure of the GOF9 Frame Contract and Work Orders

This is expected to have in particular the following positive effects:

- **Further step towards strengthening the Service approach**
  With the intended approach, we will further strengthen the Service models at ESOC. The Consolidation of existing Work Packages will prepare the way towards even greater consolidation options under the new GOF9 Domain.

- **Compliance with legal requirements**
  The consolidation will also ensure continuous compliance with the legal Service requirements, given the Consortia’s management of the Work Packages.

- **Freedom for Industry to manage such larger, consolidated tasks and to improve efficiency**
  The new approach also offers Industry the potential to identify room for improvements within the consolidated Work Packages and to thus increase efficiency. This will allow Industry to offer competitive prices in a win-win scenario, which is financially attractive also for Industry.
Structure of the GOF9 Frame Contract and Work Orders

- **Reduction of administrative efforts and overheads**
  
  In line with the above objective to improve the efficiency of the Services itself, the new approach shall also allow a reduction of administrative efforts and overheads thanks to the fact that the number of Work Packages to be managed, reported upon and invoiced etc. will be reduced.

- **Win-win situation**
  
  Given the above, we expect the new approach to lead to a win-win situation for both Industry and the Agency.
Consolidation of the GOF9 Work Packages regarding on-site Services
Consolidation of the GOF9 Work Packages regarding on-site Services

Initially 251 Work Packages (WP) were started at GOF9 kick-off. In 2018, they were reduced to 161 on-site Service WPs. These will be further reduced to approx. 40 WPs. These changes will be implemented via the consolidation of the requirements in the SoW at WP level and shall take effect as of 1st January 2020.

Each of the consolidated WPs will be awarded to only one of the Consortia clearly allocating tasks and responsibilities.

As mentioned before, the consolidation of the on-site service WPs will enhance the internal and external efficiency and will improve compliance with the legal Service Requirements. Also, this consolidation will allow the Primes to generate synergies within the larger on-site Service tasks and to thus offer better prices.
Possibility to modify Consortia
Possibility to modify Consortia

In principle, the GOF9 Consortia are fixed.

As part of the current exercise, the Agency gives the GOF9 Primes the opportunity to modify their Consortia by including or removing sub-contractors.

This shall allow the Primes to deal with changes in the Industrial landscape and to bring on board new entities in order to improve competitiveness.

Industry is requested to note that this is intended to be an one-time exercise, i.e. that the Consortia shall remain stable after this exercise has been completed.
Possibility to modify Consortia

The process will be as follows:

In parallel with the Change Request regarding the consolidated Work Packages, the Primes will be asked to present the new entities they wish to include in their Consortium (and any existing sub-contractors they may wish to exclude from their Consortium).

Each proposed change shall be accompanied with a justification.

The Agency will then assess these proposals and any change to the existing Consortia shall require the agreement between the Agency and the Prime by way of a CCN to the GOF9 Frame Contract.
Current GOF9 Primes

Economic entities, which are interested in becoming involved in the GOF9 Frame Contract as Sub-Contractors, are requested to note that the following GOF9 Primes have authorised the Agency to publish their below contact details. Interested economic entities may contact these Primes to discuss possible cooperations under GOF9.

Please note that the following information has already been provided in the Agency’s EMITS News “GOF9 Industry Day at ESOC – Reminder and Addendum” issued on 5th September 2019, which is available under the following link:

http://emits.sso.esa.int/emits/owa/emits.main
Current GOF9 Primes

Prime: CS Systèmes d’Information (FR)
Domain: AD – Astro-Dynamics
Contact: Mr. F.-X. Laffont, email: francois-xavier.laffont@c-s.fr

Prime: GMV Aerospace and Defence S.A.U. (ES)
Domains: OE – Operations Engineering Services
        DS – Data Systems
        AD – Astro-Dynamics
Contact: email: gof9@gmv.com
Current GOF9 Primes

Prime: GMV Soluciones Globales Internet S.A.U. (ES)
Domain: IT - Mission Operations Infrastructure IT Services
Contact: email: gof9@gmv.com

Prime: LSE Space GmbH (DE)
Domain: OE – Operations Engineering Services
Contact: Mr. Daniel Gestal, LSE Space Managing Director, email: daniel.gestal@lsespace.com
Current GOF9 Primes

Prime: SCISYS UK Ltd (UK)
Domains: GS – Ground Stations Engineering
          DS – Data Systems
          AD – Astro-Dynamics
Contact: email: projectsupport@scisys.co.uk

Prime: Serco Services GmbH (DE)
Domain: IT - Mission Operations Infrastructure IT Services
Contact: Domain IT: Mr. Dominic Schaefer,
email: Dominic.Schaefer@serco.com
Current GOF9 Primes

Prime: Telespazio VEGA Deutschland GmbH (DE)
Domains: OE – Operations Engineering Services
RO – Real-time Operations Services
IT - Mission Operations Infrastructure IT Services
GS – Ground Stations Engineering
DS – Data Systems
AD – Astro-Dynamics
Contact: Mr. Paul Bearman,
email: paul.bearman@telespazio-vega.de
Current GOF9 Primes

Prime: **Terma GmbH (DE)**
Domain: DS – Data Systems
Contact: Mr. Kevin Davies,
email: ked@terma.com
Mr. Mario Monaldi,
email: mamo@terma.com

Prime: **Vitrociset Belgium Sprl (BE)**
Domain: RO – Real-time Operations Services
Contact: Mr. Massimiliano Guillaro,
email: m.guillaro@vitrocisetbelgium.com
Financial Objectives
Financial Aspects

- Extended Business Perspective until 2026 & New Domain will be established
- Consolidation of work packages allows industry a greater degree of autonomy in organising and managing the service. This is expected to lead to greater efficiency and thus to lower prices.
- Reduced administrative effort:
  - Extension of the Frame Contract – no costly ITT process
  - FFP agreements for European missions / on-call
  - leaner structures in ESA-P (less contracts, aggregated payment plans ..)
  - Less overhead cost
- Openness to discuss proposals from industry, how cost can be reduced further eg. reporting obligations.

=> Expected cost reduction of 15-20%
### New Job Classes & Price Categories

<table>
<thead>
<tr>
<th>Frame Contractor</th>
<th>Prime</th>
<th>GOF9x Annual Ceiling Price DE</th>
<th>Option: if OPS activates WPs on educational background and experience (in line with EFC2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>JC</td>
<td>Price Category Job Class Relevant Experience</td>
<td>€ / STE</td>
<td>EFC2</td>
</tr>
<tr>
<td>O4</td>
<td>04</td>
<td>OPS Technical Lead Min 15 Yrs</td>
<td>n/a</td>
</tr>
<tr>
<td>O3</td>
<td>03b</td>
<td>Senior Engineer Min 10 Yrs</td>
<td>E3b</td>
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<tr>
<td></td>
<td>03a</td>
<td>Engineer Min 4 Yrs</td>
<td>E3a</td>
</tr>
<tr>
<td></td>
<td>03x</td>
<td>Junior Engineer &lt; 4 Yrs</td>
<td>E3x</td>
</tr>
<tr>
<td>O2</td>
<td>02b</td>
<td>Senior Technician Min 10 Yrs</td>
<td>E2b</td>
</tr>
<tr>
<td></td>
<td>02a</td>
<td>Technician Min 4 Yrs</td>
<td>E2a</td>
</tr>
<tr>
<td>O1</td>
<td>01b</td>
<td>Senior Assistant Technician Min 10 Yrs</td>
<td>E1b</td>
</tr>
<tr>
<td></td>
<td>01a</td>
<td>Assistant Technician Min 2 Yrs</td>
<td>E1a</td>
</tr>
</tbody>
</table>

- **Reduction of Price Categories from 22 to 8**
- **OPS has specific qualification requirements (proven by a certification process as described in the SOW) or if activated the educational background like in the ESA Frame Contract (EFC2)**
- **Establishment of Ceiling Prices per category for the Frame Contract**
## Financial Offer – Prime X - Annual Prices
(PSS A1 - customized)

### Customized spreadsheet
- Blue fields to be filled by the Prime for the consortia:
  - Annual remuneration package
  - Overheads
  - Profit

⇒ Price automatically calculated

### Off-site supplement

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<tbody>
<tr>
<td>JC</td>
<td>Price Category</td>
<td>Job Class</td>
<td>Relevant Experience</td>
<td>€</td>
<td>%</td>
<td>€</td>
<td>%</td>
<td>€</td>
<td>%</td>
</tr>
<tr>
<td>04</td>
<td>O4</td>
<td>OPS Technical Lead</td>
<td>Min 15 Yrs</td>
<td>0.0%</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td>03</td>
<td>O3b</td>
<td>Senior Engineer</td>
<td>Min 10 Yrs</td>
<td>0.0%</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td></td>
<td>O3a</td>
<td>Engineer</td>
<td>Min 4 Yrs</td>
<td>0.0%</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<td></td>
<td>O3x</td>
<td>Junior Engineer</td>
<td>&lt; 4 Yrs</td>
<td>21.3%</td>
<td>12,800</td>
<td>72,800</td>
<td>15.0%</td>
<td>10,920</td>
<td>83,720</td>
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<td>02</td>
<td>O2b</td>
<td>Senior Technician</td>
<td>Min 10 Yrs</td>
<td>0.0%</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td></td>
<td>O2a</td>
<td>Technician</td>
<td>Min 4 Yrs</td>
<td>0.0%</td>
<td>0</td>
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<td>0</td>
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<td>0</td>
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<tr>
<td>01</td>
<td>O1b</td>
<td>Senior Assistant Technician</td>
<td>Min 10 Yrs</td>
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<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td></td>
<td>O1a</td>
<td>Assistant Technician</td>
<td>Min 2 Yrs</td>
<td>0.0%</td>
<td>0</td>
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<td>0</td>
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</table>

1. Fill in blue cells only.

Remuneration = Salary plus monetary fringe benefits e.g. pension, health care, life assurance

Off-site supplement 9,000
### Service Contract at Firm Fixed Price conditions (FFP)

### A8 to be filled by **Prime & SUBs**:

- **STE per job class & domain**
- **Number of offsite STE**

![Table](https://via.placeholder.com/150)

**WORK PACKAGE COMPANY PRICE BREAKDOWN FORM: Service Justification PSS-A8 - AO/12345**

| WO Ref | Position | Bus. Dev. Director | Sub1 | Co. Reference | Name | Dr. AN | Other | Co. Nationality | BE | Type of Price | 2020 e.c. | Price Category | Price | Job Class | Relevant Experience | OE | RO | IT | GS | DS | AD | E2E | Total |
|--------|----------|--------------------|------|---------------|------|--------|-------|-----------------|----|---------------|----------|----------------|-------|------------|--------|----------|---------------------|----|------|----|-----|-----|-----|-----|-------|
| 12345  |          |                    |      |               | ABCDE|        |       |                 |    | FFP           | EURO 1.000 | 2020          |        |            |                     |    |      |    |     |     |     |     |       |

1. Fill blue cells only.

- **Box 1**: Baseline Service Cover
  - **Offsite**: 20.50
  - **Offsite STE included above**: 0.00
  - **Offsite**: 0.00
  - **Total**: 31.50

- **Box 2**: Offsite STE included above
  - **Offsite STE included above**: 0.00

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Financial Offer – STE Summary

(PSS A8 – customized)
Simplification - Travel Cost & On-Call

a) Travel Cost at Prime Level:

- European Missions - Firm Fixed Price allocation based on flat rates
- Cost reimbursement scheme for Oversees Mission

b) On-call at Firm Fixed Price Conditions

=> Reduction of administrative effort for Industry & ESA
### Automatic Generation – Price per Domain (A8)

<table>
<thead>
<tr>
<th>Prime Category</th>
<th>Job Class</th>
<th>Relevant Experience</th>
<th>O1a</th>
<th>O2a</th>
<th>O2b</th>
<th>O3a</th>
<th>O3b</th>
<th>O4</th>
<th>Total WP STE</th>
<th>Total STE Required</th>
<th>Frame Annual Service Price € per STE</th>
<th>Annual Price €</th>
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<td>Box 1</td>
<td>Baseline Service Cover</td>
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<td>Prime Total</td>
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<td>Offsite annual FFP in Euro (€)</td>
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**Notes:**
- Offsite annual FFP in Euro (€) includes Offsite STE and baseline service cover.
- Prime total includes all Offsite STE and annual service prices.

**Additional Information:**
- STE: Service Technical Expertise
- Prime: Prime Total
- Offsite: Offsite Technical Expertise

**Detailed Pricing:**
- **O4:** OPS Technical Lead, Min 15 Yrs
- **O3b:** Senior Engineer, Min 10 Yrs
- **O3a:** Engineer, Min 4 Yrs
- **O3x:** Junior Engineer, < 4 Yrs
- **O2b:** Senior Technician, Min 10 Yrs
- **O2a:** Technician, Min 4 Yrs
- **O1b:** Senior Assistant Technician, Min 10 Yrs
- **O1a:** Assistant Technician, Min 2 Yrs
- **Box 1:** Baseline Service Cover

**Price Per Domain (A8):**

<table>
<thead>
<tr>
<th>Domain</th>
<th>Price Category</th>
<th>Job Class</th>
<th>Relevant Experience</th>
<th>Total WP STE</th>
<th>Total STE Required</th>
<th>Frame Annual Service Price € per STE</th>
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<td>Offsite annual FFP in Euro (€)</td>
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<td>Offsite STE included above</td>
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<td>Offsite STE included above</td>
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Extension of the GOF9 Frame Contract by 5 years until June 2026

Provided that the Agency and the GOF9 Primes agree on the various points described in the presentation, the Agency intends to extend the GOF9 Frame Contract by 5 years until June 2026.

The respective Change Requests will then be issued to the GOF9 Primes in the 4th Quarter of 2020 or early in 2021, so that the respective CCNs can be signed latest in the 2nd Quarter of 2021.

In parallel, the new GOF9 Domain “Mission Operations and Ground Segment Engineering Service” will be established via ITT and will become part of GOF9 as of 1st July 2021.
New GOF9 Domain
Background

• ESOC is fulfilling its role as ESA’s operations centre with the services of its industrial partners. Initially, this industrial support was largely provided in a manpower/loan employment form and it has been evolving over the years towards a service provision scheme.

• The maturity of Industry and the need for more economical solutions is leading to an evolution of this service approach, while retaining key strategic knowledge and experience within ESA.

• Internal and external customers may benefit from a more integrated operational service and better economic conditions are expected to be achieved by consolidating activities within single industrial services.
DRIVERS AND CONSTRAINTS

• **ESA shall remain responsible** towards its internal and external customers for the entrusted missions.

• ESA shall ensure the maintenance of a **competitive environment** of service operators in different domains and on the short and long terms.

• Due to the cost of on-site infrastructures, Services are to be performed **off-site (near site)** to the maximum extent possible.
  - Spacecraft operations on the other hand shall be on-site and performed via ESOC infrastructure.

• **Responsibilities and risks** associated with the subject activities are better allocated with Industry than under the current scheme of multiple smaller WPs.
Scope

- Development, tailoring and maintenance of **mission specific facilities**, such as: Mission Control System, Simulator, Mission Planning, Flight Dynamics systems, Key Management Facilities, Data dissemination and archiving Systems, Ground Stations systems etc.
- Preparation, execution and reporting of **Integration, Test, Verification and Validation activities**.
- Development and validation of **operational products**, mainly based on Space Segment Prime and Project inputs: Flight and Ground Procedures, Database etc.
- **Training** of engineering and operations team.
- **Support to ESA** project team.
- Provision of **Operations execution** when not integrated in an existing family of missions (i.e. procurement of Flight Control Teams, etc.) while maximizing synergies with existing Operational teams.
Applicability

• The above will apply in case the services under the new Domain are procured upon the beginning of a new mission. However, the Agency may also make use of the services under this new Domain at a later stage of the mission, in which case the services would entail only a subset of the above.

• This new domain will co-exist with the already existing GOF-9 domains. The activities allocated to this domain will be initially limited in number and volume and progressively increase as both ESA and Industry gain experience with it.

• This new Domain is particularly adequate for the provision of Mission Operations Services to projects done in cooperation with third parties.
Procurement

- It is proposed to add this new GOF9 Domain "Mission Operations and Ground Segment Engineering Service" via **Open Competitive ITT**, to allow for a further evolution of the Service approach.

- It is expected that this new ITT will attract also **new Industrial players** and/or a regrouping of companies, which are already involved in the current GOF9 Domains, in new Consortia for this new Domain. This is an opportunity, which will certainly be appreciated by Industry.

- It is intended to place **2 to 4 Frame Contracts** for this new Domain, depending on the quality of the tenders received.

- The new Domain shall be established with effect as of **1st July 2021**, i.e. the start of the envisaged extension period of GOF9

- Note that the **overall volume of GOF9** will – in principle – remain unchanged, i.e. any work awarded under the new Domain will lead to a lesser volume in the current GOF9 Domains.
Management

- The provision of the Services shall be managed by the **Prime’s Service Manager**, who shall report to the **ESA Ground Segment Manager**
  - who is internally supported by the ESA Mission Control Team.
- The Service Manager is responsible of the deliverables and service committed under this procurements and to **manage the allocation of resources** accordingly
  - e.g allocating additional resources to accommodate internal schedule changes.
- The Service provided is responsible of the **procurement of the required facilities** and services, (with the scope defined on the WP description).
  - Ground Segment elements are not CFI until delivery to ESA.
- **ESA reserves the right to procure specific service** or facilities through the existing domains when, because of its criticality, it is required to guarantee the mission success.
Schedule/Sequence of implementation
Schedule/Sequence of Implementation

1. Frame Contract Level
Annual Prices per Price Category and Modification of Consortia:
26.09.2019 - Issue of Change Requests (CR)
14.10.2019 - Closing Date of CR
25.10.2019 - CCNs to implement the agreed changes

2. Work Order Level
Consolidated Work Packages:
26.09.2019 - Issue of the CR
04.11.2019 - Closing Date of CR
Latest 15.12.2019 – Work Orders for the Consolidated Work Packages
Schedule/Sequence of Implementation

1st Quarter 2020
- Issue of the Open Competitive ITT for the new GOF9 Domain “Mission Operations and Ground Segment Engineering Service”

4th Quarter 2020 - 1st Quarter 2021
- Issue of the CCNs for the extension of the GOF9 Frame Contract by 5 years

1st Quarter 2021
- Award of Frame Contracts for the new GOF9 Domain to the selected Tenderers

As of 1st July 2021, the GOF9 Frame Contract shall thus consist of 10 Domains (plus the two End-to-End Domains for OPS-G) and shall have a duration until 30th June 2026.
Fall-back Approach

In case the agreements, as required by IPC, cannot be reached, the ITT process for a new GOF competitive frame contract (including also the new Domain) will be started, aiming at the same objectives as described above.

The following steps will, however, remain unaffected by any such scenario, i.e. they will then be implemented for the remaining duration of the GOF9 Frame Contract (until 30.06.2021):

- Modification of the GOF9 Consortia
- Consolidation of the Work Packages
Questions & Answers