EUMETSAT

Monitoring weather and climate from space

Jason CS

HGB 2014

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EUMETSAT Altimetry Overview

- **Jason-2 Programme:**
  - **Operations contributions**

- **Jason-3 Programme:**
  - **Preparations for GS elements (TM-NRT) and Cal/Val**

- **Sentinel-3 Programme:**
  - **Setting up of the Marine Centre (PDGS, FOS, MME)**
  - **Prep of the Mission Performance (along with the MPC, MPMF,S3VT)**

- **Jason-CS Programme:**
  - **System Phase B activities**
  - **Program proposal**

- **Copernicus Programme:**
  - **Delegation Agreement/ Technical Annex with EU (DA/TA)**
  - **High Precision Ocean Altimetry (HPOA) element**

=> 80th Meeting of Council : Today and Tomorrow

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Jason-CS/ Sentinel-6 Programme

Mission Objective:

Continuity to the highly precise measurement of sea surface topography after Jason-3

Sentinel 6 mission:

Implemented through two Jason-CS (for Continuity of Service) satellites.

Orbit:

Topex, J1, J2, J3 orbit

Altimeter:

'Interleaved' SAR (is now baseline)

Schedule:

Phase B now

Towards C/D/E	**ESA**	**subscriptions December 2014**
	EUMETSAT	**subscriptions (optional program) mid 2015.**
	EU	**Copernicus DA's**

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Jason-CS Partnerships

The roles, responsibilities and contributions of the Partners for Phases C/D/E need to be formally established as a matter of urgency, and reflected in the draft cooperation framework documents (e.g. multi-partner MoUs) and in the relevant management plans and associated documents

SRR-1 review

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Jason-CS: System Requirements Review

The system Phase B is split into 2 sub-phases:

A: Requirements Definition
B: Preliminary Definition

Requirements Definition sub-phase ends with System Requirements Review (SRR):
. Verify the completeness of the system requirements baseline;
· Review the selected system architecture;
· Verify the finalisation of project phasing and planning;
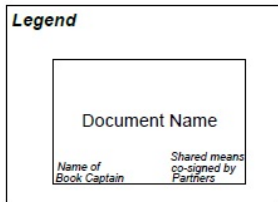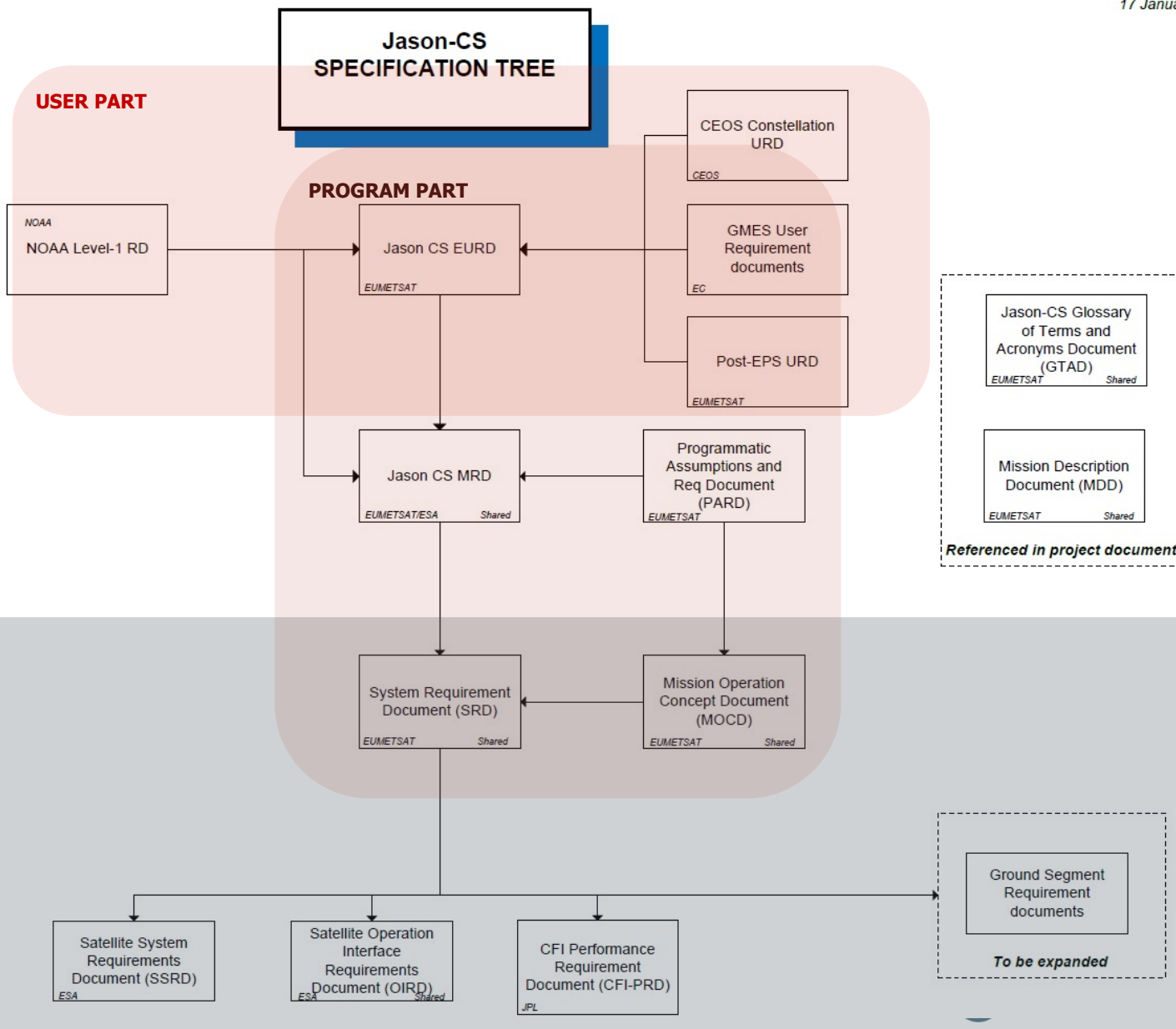
SRR is split in two parts:

SRR-1 February 2014: to assess the system and management elements
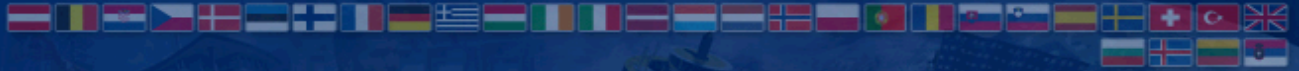to allow Space Segment requirements and design consolidation

SRR-2 early 2015: Consolidating the system level requirements and
assessing the system architecture and performance against these requirements.

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Jason-CS Top Level Requirements Documents

Jason-CS: Member State Participation

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3 December 2013: the second meeting of Potential Participating States (PPM-2)

>   Reviewed of the benefits
>   Encourage (EUMETSAT) Member States to join.
>   Agree Sentinel-6 mission implemented by the Jason-CS satellites
>   Review the programme baseline and alternative scenarios

23 October 2014: third meeting of Potential Participating States (PPM-3)

December 2014 Council

ESA:

>   ESA has now opened the phase 2 of the GSC-3 optional programme for subscription by its Member States (between 22 February and 21 May 2014) and called an additional Programme Board on 23-24 June to assess the outcome. A bridging phase is planned from late 2014 (after satellite PDR) to spring 2015 and the Phase C/D is expected to start by mid-2015.

NOAA:

>   NOAA has recently confirmed their plan to request funding for its contribution to Jason-CS as part of the FY2016 budget process, with the expectation that this would be included in the US President Budget proposal to be released in February 2015.

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JASON-CS: Other Activities

NOC Study Completed. FO Study ?

Product definition study: 1st steps by EUMETSAT.
Organize for feedback and review

Processors:
       Level 1 GPP (ESA)

       IPF's? (EUMETSAT)

'MET script" as MME

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Upcoming (USER) meetings

EUMETSAT CONFERENCE   Geneva

Climate Symposium Darmstadt

EUROGOOS conference   Lisbon

CAW   Konstanz

OSTST Konstanz

GODAE Meetings   (China)

Nb. The second Sentinel-3 Validation Team meeting is scheduled for 3-4th December 2014, EUMETSAT, Darmstadt, Germany.

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