



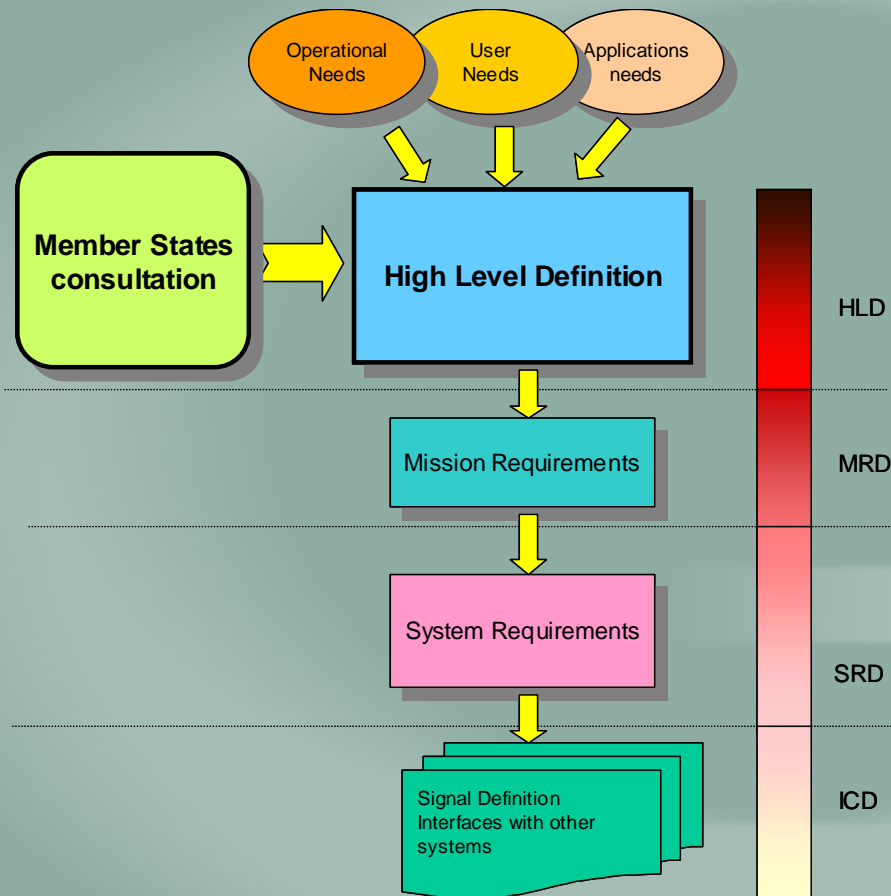
# ***Galileo Mission Consolidation & Maritime Needs***

## **Status of Galileo Mission High Level Documents**

**December 18<sup>th</sup>  
GISS, Brussels**



# Galileo documentation tree



- The HLD is an Applicable Document to the MRD
- The MRD contains the definition of GALILEO performances at Program level
- Requirements of the MRD driving Space and Ground Segment development are applicable to the SRD
- Requirements of the MRD driving the definition of applications, of services, of external elements, are applicable to the specific “Service ICD’s”

# HLD latest release



- The latest release prepared by GISS is the

## ***HLD Issue 3***

*September 23<sup>rd</sup> 2002*

- On September 24<sup>th</sup> the EC prepared the ***Communication from the Commission to the European Parliament and the Council*** on the *State of progress of the Galileo programme*
- In this context, the final ***HLD Issue 3*** has been distributed to the Member States for final approval

# Main inputs to HLD Issue 3



- **Phase B2** study: consolidation of the Galileo mission and its impacts on the system architecture
- **Galilei** study: better definition of system boundaries, interoperability, local elements, services consolidation etc.
- Comments from **Member States** as the results of some Galileo committees meetings (Steering Committee, PB-NAV, Signal Task Force)
- Outcome of two specific **Users' Fora** chaired by GISS on
  - Location Based Services, June 16<sup>th</sup> 2002
  - Safety of Life, June 17<sup>th</sup> 2002
- ***These inputs have been analyzed within 4<sup>th</sup>, 5<sup>th</sup> and 6<sup>th</sup> CCB and taken into account to release the HLD Issue 3***

# From MRD 4 to MRD 5



## *Main drivers to update the MRD Issue 4 to Issue 5*

- To achieve the coherence with the HLD
- To rearrange the MRD for better readability
- To render the MRD requirements coherent amongst themselves
- To better separate the performances between the Galileo Services
- To incorporate recent study results (Galilei, Phase B2 etc.)
- To facilitate the applicability of requirements MRD → SRD

# Process of update of MRD



- A **draft MRD 5** was elaborated by GISS and proposed at the 6<sup>th</sup> CCB on July 2002
- Comments from ESA, Galilei team and other Institutions were gathered until October 2002
- A new draft MRD 5 was proposed for approval to the 7<sup>th</sup> CCB on October 2002
- Several open actions are still ongoing
- The new **MRD 5.1** will be presented for final approval to the 8<sup>th</sup> CCB by mid-February 2003

# Process of update of JMRD



- In parallel to the update of the MRD, the **Justification File** is being redrafted by GISS
- The justifications of the requirements will be put in the body of the MRD itself
- The **MRD/JMRD** will be available for approval by the next CCB by mid-February 2003

# Galileo ICD's



- The ICD's define the requirements related to the interface between the **Galileo SIS** and the **Navigation Users Segment**
- GISS is also involved in the definition of the **ICD's**
- Three types of ICDs are foreseen:
  - **Open ICD**, covering OS and SoL
  - **Commercial restricted ICD**, covering the CS
  - **Governmental restricted ICD**, covering the PRS
- There is a **SAR ICD** treated separately (the SAR/Mission includes both navigation aspects: return link and alert detection)