



LRIT and SSN Workshops

European Satellite AIS: status report

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Operations

European SAT-AIS project with ESA

- EMSA's Work Programme 2011 and 5 year Strategic Plan states that EMSA will be exploring with ESA the possibility of establishing the provision of SAT-AIS services as the first space-node for SafeSeaNet.
- EMSA signed an agreement with ESA for the Use of space-based Systems and Data in support of Maritime Activities on 2 July 2010.



Ongoing SAT-AIS activities

- The last session of the High Level Steering Group of SSN approved the distribution of SAT-AIS data to Member States through SafeSeaNet.
- EMSA is currently working on several initiatives related to SAT-AIS:
 - The Norwegian Space Authority and the Norwegian Coastal Administration have agreed to provide Norwegian SAT-AIS data (AISSaT-1) to EMSA. Will soon be made available to Member States;
 - Using satellite AIS data for the purpose of the PIRASAT Project. This SAT-AIS data is being provided ad hoc by a satellite service provider.
 - User-benefit analysis

ESA activities and programmes

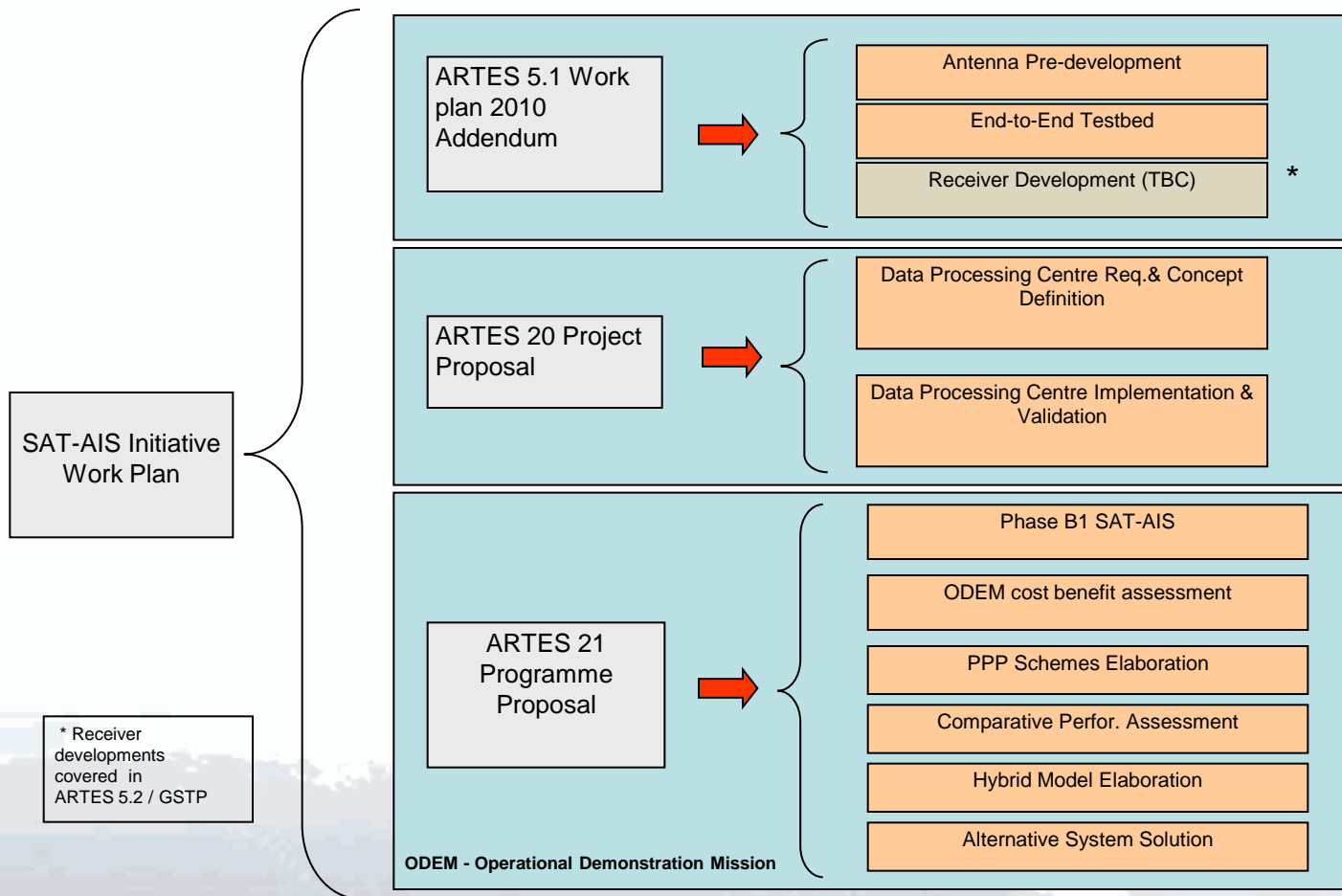
- ARTES 5 – Technology pre-development
 - Antenna and AIS onboard receiver (3 million Euros)
- ARTES 20 – Data Processing Centre Demonstration
 - Joint EMSA-ESA activity (2+2 million Euros)
- ARTES 21 – SAT-AIS Design Element (12,5 million Euros)
 - Definition of space segment (hybrid)
 - Definition of ground segment
 - Operational Demonstration Mission
 - Comparative Performance Assessment
 - PPP exploration

ARTES: Advanced Research Telecommunication System

Next meetings

- HLG Steering Group SafeSeaNet: status report on Satellite-AIS for information on 26 October 2010
- 2nd EMSA/ESA SAT-AIS meeting is scheduled to be held on 26th of January 2011 at EMSA.
 - Member States of ESA and EMSA together with other main stakeholders (i.e. EU entities) will be invited.
 - Detailed update on the ESA/EMSA SAT-AIS joint initiative;
 - The conclusions of the 'User Benefit Analysis – European spaced-based AIS' will be presented.
- European Satellite-AIS user meeting on 27 January 2011 to consolidate user requirements
 - Based on initial user requirement document and outcome of the user-benefit analysis

ESA programmes



User-benefit study on SAT-AIS

- European space-based AIS – a User Benefit Analysis:
 - Explore the institutional and governmental needs for establishing a European space-based AIS system and to;
 - Establish if there is also a demand for a European space-based AIS combined with an Earth Observation sensor.
- Questionnaire was sent to Member States and other stakeholders such as international organisations and EU Agencies.
- Interviews have been conducted – today the contractor is here for those who would like to provide feedback.
- The analysis of the study will be completed in November 2010.

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