

Note on the Galileo Open Service Signal In Space Interface Control Document (OS SIS ICD) Draft 0

On the 26th June 2004, the United States of America and the Member States of the European Union - represented by the European Commission, signed the Agreement on the promotion, provision and use of Galileo and GPS satellite-based navigation systems and related applications in Dublin, Ireland.

On the 20th -22nd March 2006, the GPS-Galileo Working Group on Radio Frequency Compatibility and Interoperability, operating under the aegis of the afore-mentioned EU-US Agreement, successfully proposed a jointly-optimized common Power Spectral Density for Galileo Open Service (OS) and GPS L1C signals in L1 band, denoted as Modified Binary Offset Carrier (MBOC) in Stockholm, Sweden. The group also verified that this signal satisfies all compatibility requirements and recommends this signal for broadcast by both the Galileo and GPS constellations.

Following this recommendation, the Parties of the Agreement will promptly assess relevant programmatic aspects of implementing the joint-optimization. Subject to this assessment and relevant programme approvals, the Parties intend to formally notify each other of their intent to implement the jointly-optimized common signal.

This assessment is currently taking place and is expected to lead to a choice between:

- Remaining with the current BOC (1,1) baseline
- Implementing the MBOC signal.

As a consequence, in particular sections 7.1.3, 7.1.3.1, 7.1.3.2 of the Galileo OS SIS ICD Draft 0 may be modified in an amended version of this document.

See also the related documents under 'Supporting Documents' on www.galileoju.com

- *WGA Recommendations 22 March 2006*
- *Joint Statement 24 March 2006*