



IAIN CONTRIBUTION TO ICG

IAIN acts as a voiceover for the ICG in the nations of its Members

IAIN is also a “**voice**” of the User Communities

Except civil aviation and maritime, which are regulated at international level through ICAO and IMO respectively, other transport modes such as railway or road transport have a very local or regional regulation.



IAIN CONTRIBUTION TO ICG

In the nations of its Members IAIN :

- ✓ Promote the use of GNSS, properly integrated with other time distribution and positioning techniques to ensure the provision of a continuous and resilient service, to the entire user community, and
- ✓ Foster the integration of satellite navigation with the other technologies, to improve efficiency and security of various modal transports.
- ✓ Act as **“tutor”** of the *GNSS knowledge*



CURRENT APPLICATION AND USER SCENARIO

Several Sectorial, Regional or Global User Requirements' specifications are currently available

Ubiquitous systems and outdoor to indoor continuity needs harmonized requirements and definitions among sectors

Multimodal Transport and automation are expected to drive the satellite navigation technological development

Navigation and Mobile communication interoperability is a driver

An harmonized User Requirement document is needed



RTCM

RTCM (Radio Technical Commission for Maritime Services), an International non-profit organization, founded on 1947, has required to become Observer of ICG

Some of its Committees are at the base of nowadays GNSS high accuracy positioning

In particular, SC-134 works on Standard Messages formats for GNSS High Accuracy Integrity Augmentation at User and Service Provider Level, with a Multimodal Approach (Automotive, Rail, Maritime and other applications)



PROPOSAL

The Proposal is a collaboration between IAIN and RTCM, with liaisons with other organizations, for the development of a harmonized and commonly agreed User Requirements

IAIN and RTCM, acting as an interface toward external user communities and standardization bodies, aim at collecting requirements and review of the proposed Documents

IAIN and RTCM, can contribute to the current Application Subgroup of WG-B or constitute an additional Subgroup of WG-B for this purpose