ABSTRACT SUBMISSION –– SOUMISSION DE RESUME

**Topic No.: / Sujet n° : 05**

**proposed topic / sujet proposé:**

**Requirement Traceability – why it is particularly relevant in the age of Maritime Service Portfolios (MSPs)**

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ABSTRACT / RESUME:

**Requirement traceability – in a nutshell – is the capability to retrieve the originator or the originators of requirements for any given technical feature implemented in a technical system.**

**This traceability becomes more important with increasing variety and diversity of stakeholders and/or with increasing complexity of the requirements as such and/or with increasing technological sophistication.**

**On one hand, requirement traceability requires a certain degree of « book keeping » during the design and implementation process of the technical system under consideration right from its inception.**

**On the other hand, requirement traceability, once established, offers many advantages, foremost the best available assurance for stakeholders to get what they want in the process, because the exact stakeholder can be revisited directly for clarification during design and implementation. Also, responsibility for their requirements can be clearly attached to specific stakeholders.**

**Obviously, the IMO concepts like Sustainable Maritime Transportation System, User Needs, Maritime Service Portfolios, together with existing requirement bases of such diverse domains as VTS, radio navigation and state-of-the-art aids-to-navigation services carry a certain degree of complexity each, which can only be tackled by the appropriate methodology tools, one of which is requirement traceabilty.**

**This submission explains the above principles, and – by doing so – also introduces the work IALA have done in the past session period in this regard, namely IALA Guideline 1113 (2015).**

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| **PLEASE RETURN TO** [**contact@iala-aism.org**](mailto:contact@iala-aism.org) **by 31st March 2017**  **VEUILLEZ RETOURNER A** [**contact@iala-aism.org**](mailto:contact@iala-aism.org) **avant le 31 mars 2017** |