



Welcome to the World of Standards



SYNERGIES BETWEEN COMMERCIAL, PUBLIC SAFETY AND MILITARY DOMAIN

Presented by Andrea Lorelli

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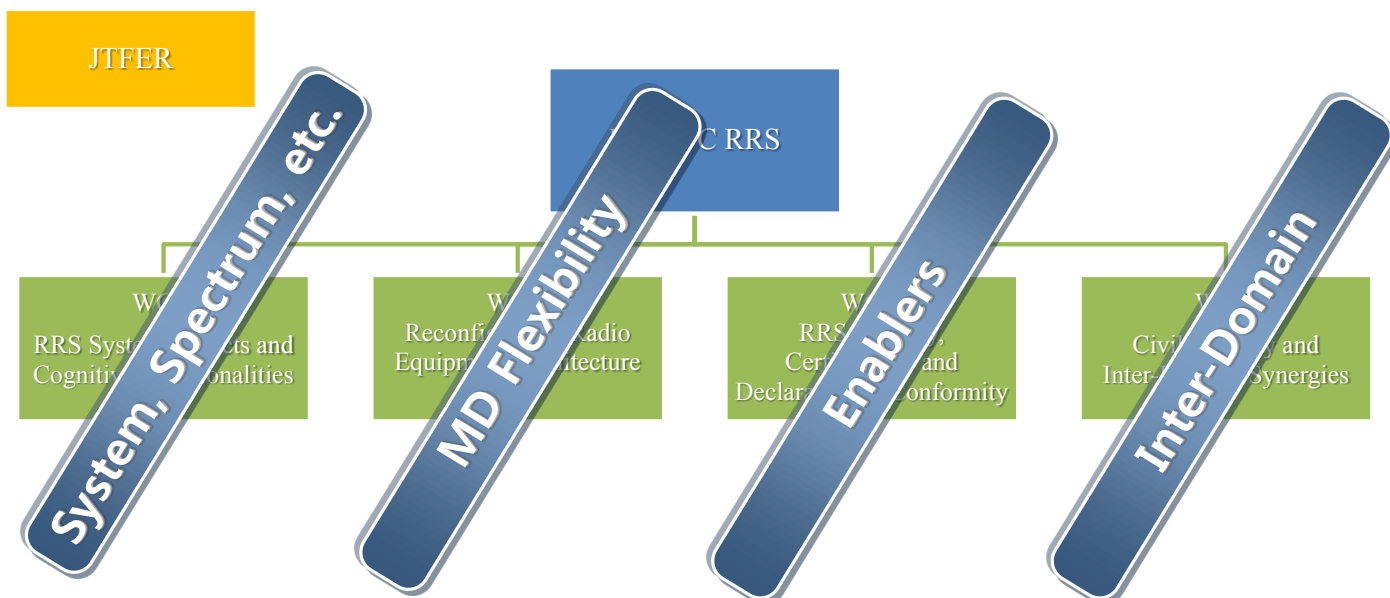
ETSI RRS

EC Mandate on RRS – An overview

EC Mandate on RRS – Objective C

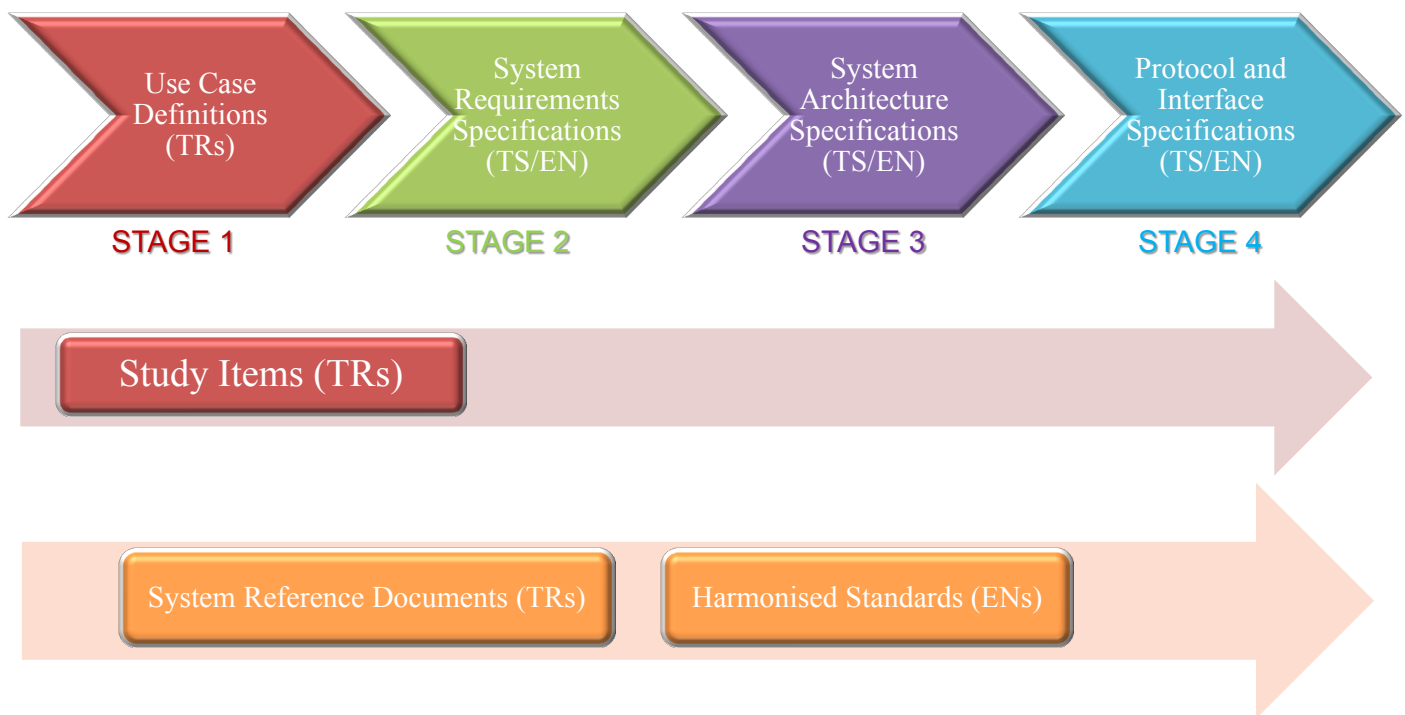
Inter-domain synergies: where we are





- The committee focuses on RRS encompassing both SDR and CR.
- The committee's activities include studies on the feasibility of RRS standardization, collecting and defining RRS requirements, identifying gaps where existing standards do not fulfill those requirements and proposing solutions to fill those gaps.
- JTFER is responsible for the development of HS as well as related SRDoc

RRS Standardization Methodology

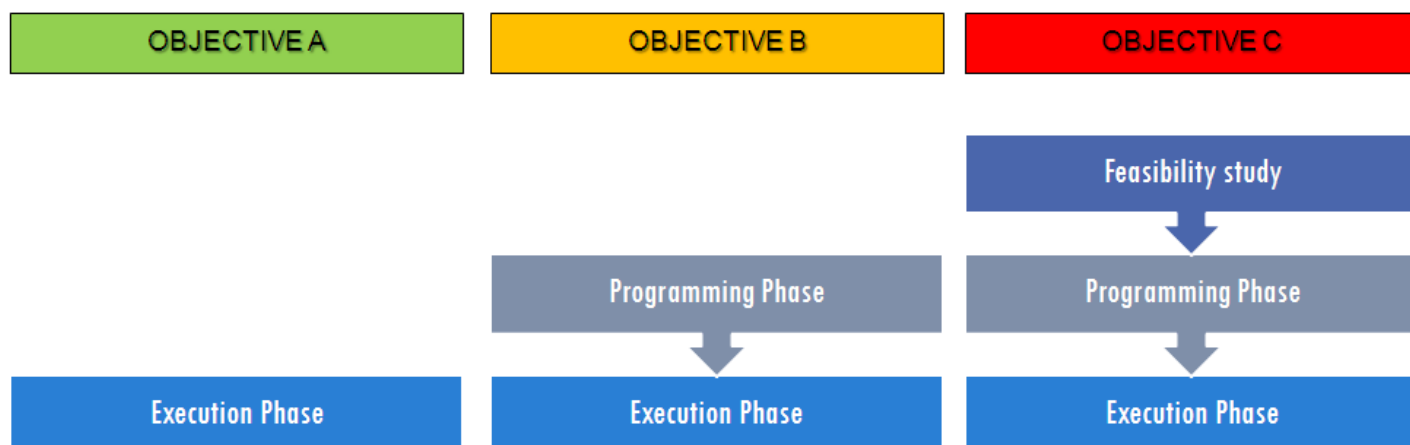


Civil Security and Inter-Domain Synergies

- To evaluate the application of RRS technologies ensuring an efficient level of synergy among commercial, civil security and military applications
- To perform feasibility studies for ensuring an efficient level of synergy among commercial, civil security and military applications
- To define Use Cases, Requirements, Architectures and Interfaces for exploiting synergies among commercial, civil security and military domains

- The EC Mandate has three main objectives
 - Objective A targeting the commercial domain (CRS including WS and LSA)
 - Objective B targeting the military/civil security domain (SDR architecture(s))
 - Objective C targeting commercial, civil security and military domain (synergies between the three domains)
- Each objective has one or more phases
 - One phase only for Objective A (execution phase)
 - Two phases for Objective B (programming phase, execution phase)
 - Three phases for Objective C (feasibility study, programming phase, execution phase)

EC Mandate on Reconfigurable Radio Systems



RRS Mandate: Objective C



- Objective C aims to explore potential areas of synergy among commercial, civil security and military applications. These include the following:
 - Architectures and interfaces for dynamic use of spectrum resources among commercial, civil security and/or military domains for disaster relief. This objective will require collaboration with spectrum regulatory organizations.
 - Reconfigurable mobile device architecture for commercial and civil security applications.
 - Other potential synergies to be identified.
- Three phases: feasibility study, programming phase, standardisation phase

Objective C: Description of Work



• C1(phase 1): Feasibility Study

- This phase has to explore the potential synergies across the commercial, civil security and military domains in the medium/long term (5-15 years in the future).
- The expected output will be delivered to the EC under the form of a Technical Report (ETSI TR)

• C2 (phase 2): Proposal of a Work Program

- This phase involves the development of a comprehensive work program addressing one or more tasks identified in Objective C. This phase may also include the identification of user requirements and a risk analysis.

Objective C: Description of Work



- C3(phase 3): Execution of the Work Program
 - This phase will deliver one or more standardization deliverables related to:
 - Definition of the network interfaces and architectures for dynamic use of spectrum resources among commercial, civil security and/or military domains for disaster relief.
 - Definition of the architecture and interfaces for reconfigurable mobile devices for commercial and civil security applications.
 - Other potential synergies to be identified.
 - Standardisation topics come from the standardisation work program defined in C2

Objective C: where we are?



- TC RRS WG4 has been working for quite a long time on a feasibility study aiming to identify the synergies between the three domains (TR 103 217) in response to Objective C phase 1 (C1)
- The identified synergies should be based on “real opportunities” for the involved stakeholders in the mid/long terms
- However the interest among commercial, public safety and military stakeholders seems to be quite limited and this is drastically limiting the contributions

Objective C: where we are?



- TC RRS has therefore decided to create a questionnaire in order to better understand the views/opinions of the different stakeholders
- Please take some time to have a look at it and fill it as soon as possible
- If a significant number of responses is received, the results will be presented at the ETSI Workshop on Reconfigurable Radio Systems in December

ETSI Workshop on RRS



- 3-4 December 2014, Sophia Antipolis – France
- Speakers from EC, NATO, Airbus Defense & Space....
- Free of charge
- 12 demos will be shown

Registration, agenda and questionnaire at:

<http://www.etsi.org/news-events/events/807-etsi-rrs-workshop-2014>

Contact Details:

Andrea Lorelli

ETSI Secretariat

Tel: +33 (0)4 92 94 49 85/ +33 (0)6 72 28 52 66

email: andrea.lorelli@etsi.org

Thank you!