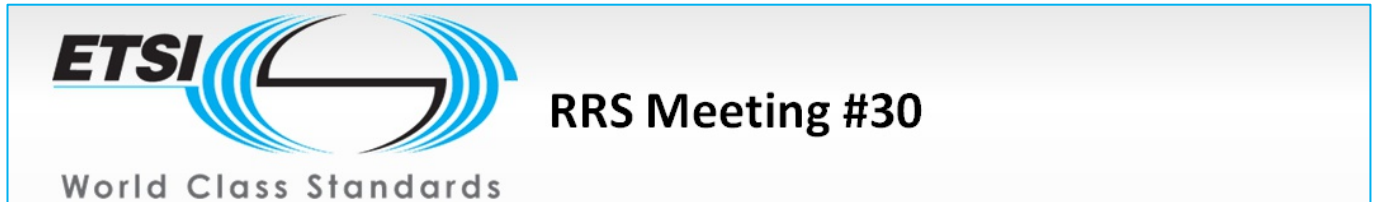


## Standardization Report

June 2015



SALUS has participated in the European Telecommunications Standards Institute (ETSI) Reconfigurable Radio Systems (RRS) face-to-face standardization meeting #30 that took place in Seoul, Korea, between 01-05 of June. The event was hosted by the Hanyang University which is leading Work Group (WG) 2 (Reconfigurable Radio Equipment Architecture).

The activities of the Technical Committee (TC) on RRS include the following<sup>1</sup>:

- standardization activities in all relevant areas of Reconfigurable Radio Systems encompassing system solutions related to Software Defined Radio (SDR) and Cognitive Radio (CR);
- preparation of the appropriate ETSI deliverables for the standardization of Reconfigurable Radio Systems;
- preparation of ETSI Technical Reports and ETSI Guides for describing Reconfigurable Radio Systems related requirements for relevant stakeholders, as needed;
- co-ordination of Reconfigurable Radio Systems related requirements in order to produce a consistent set of ETSI deliverables and to undertake measures to efficiently continue and stimulate further related work within ETSI;
- to provide ETSI with a major centre of expertise in the area of Reconfigurable Radio Systems and be able to offer advice to ETSI Technical Bodies, the ETSI Board and the General Assembly;
- organization of regular meetings/workshops with appropriate stakeholders;
- liaison with relevant external organizations such as SDOs;
- establishment of external relationships (and joint working groups) where and when ever needed. Formal relationships will be established using the normal processes via the ETSI Secretariat (NIM/Partnerships).

Currently the TC on RRS is organized in the following Work Groups:

- WG1: System Aspects and Cognitive functionalities
- WG2: Reconfigurable Radio Equipment Architecture
- WG3: RRS Security, Certification and Declaration of Conformity
- WG4: Civil Security and Inter-Domain Synergies

The work performed in WG4 is of most relevance to SALUS and potentially to PPDR organizations. ETSI TC RRS has been working on the feasibility study and made some efforts to involve major stakeholders (commercial, public safety and military). Based on limited feedback, currently there seems to be no interest from the military stakeholders, very limited interest from the commercial stakeholders and limited interest from the public safety stakeholders. Apparently, it can be considered the topic to be premature whilst waiting for the spectrum allocation decisions to be taken in the upcoming ITU World Radiocommunication Conference 2015 (WRC15) - to be held on November 2015. As such, ETSI has informed the European Commission that a feasibility study reflecting mature views of the stakeholders on the topic could be delivered not before Q1 2016.

Despite the frozen state of WG4, SALUS submitted a contribution (*RRS(15)030014*) on possible business opportunities for Reconfigurable Radio Systems and Licensed Shared Access in the Public Protection and Disaster Relief (PPDR) market, taking in consideration Civil Security and Inter-Domain Synergies and the current discussions on the allocation of additional spectrum for Mobile Networks, to be discussed in WRC15.

<sup>1</sup> From the Terms of Reference for TC RRS, available at: <https://portal.etsi.org/TBSiteMap/rrs/rrstor>



**ETSI**  **RRS Meeting #30**  
World Class Standards  
**(SDR/LSA) Business Opportunities in the PPDR Market**

Seoul, Korea - 05 June 2015

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**it**  
Hugo Marques  
hugo.marques@av.it.pt  
Instituto de Telecomunicações  
Aveiro-Portugal



Figure 1: SALUS presentation on possible business opportunities in the PPDR market, that exploit the capabilities of Software Defined Radio / Reconfigurable Radio Systems and Licensed Shared Access (LSA)

The main goals achieved for this event were:

- Share with TC RRS the SALUS vision on the current PMR/PPDR market and its evolution towards broadband;
- Synchronize with TC RRS the current discussions on spectrum allocation for mobile networks;
- Reinforce the importance of dedicated spectrum for PPDR organizations;
- Understand the characteristics and current limitations of RRS and LSA;
- Discuss business opportunities for the PPDR market that may exploit SDR/RRS and LSA