|  |  |
| --- | --- |
|  | **Doc. ECC/SE(14)029** |
| Working Group SE |  |
| 66th Meeting of WG SESesimbra, Portugal, 27 – 31 January 2014 |  |
|  |  |
| Date issued:  | 24th January 2014 |
| Source: | ETSI, ETSI Liaison Officer |
| Subject: | Report from ETSI |

|  |  |
| --- | --- |
| Password protection required? (Y/N) | **N** |

|  |
| --- |
| **ETSI documents for this meeting** |
|  |
| **SE(14)019** | LS from ERM to WGSE on TS 103 060 SRD Duty Cycle Template  |
| ETSI TC ERM published a TS on Duty Cycle Template. The document is for information and the TS 103 060 could be used as information for future SE24 studies on UWB and/or narrowband SRDs.TS 103 060 V 1.1.1 is the result produced in cooperation with ETSI Special Task Force (STF) 411; it provides a definition of Duty Cycle Template (DCT) to be used as a frequency- and application-independent passive mitigation technique and associated conformance measurement methods.DCT consists of an active transmission interval followed by an inactive idle interval. The combination of these two provides the basis of the mitigation technique to share spectrum.DCT is meaningful when there is a constraint to share with a primary radio service. The technical constraint is that the mitigation bandwidth is almost impossible to define when there is no primary service to protect. |

|  |  |
| --- | --- |
| **SE(14)028** | LS from ERM to WGSE on 5725-5875MHz SRDs |
| Information on generic SRDs for the ongoing activities within CEPT/ECC WG SE concerning “5 GHz RLANs” 5725 MHz to 5875 MHz is designated for generic SRDs for a very long time (some decades i.e. even before the ERC/REC 70-03) and is the only SRD band having a quite large bandwidth capability, no duty cycle restriction and a reasonably transmit power of 25 mW e.i.r.p. vs. propagation for the foreseen operations.Within the last ten years this 5 GHz band became highly attractive for SRDs due to various reasons such as 2,4 GHz high use (i.e. WLAN), the generation of pico-cells, thus having an higher frequency re-use ratio but still below 10 GHz highly propagation critical and the availability of electronic components at low cost.TC ERM noted the following:1. The EU RSCOM agreed on 2nd Sep. 2013 a mandate to ECC to study the possible use of 5350 MHz to 5470 MHz and 5725 MHz to 5875 MHz (“WAS/RLAN extension bands”) for the provision of wireless broadband services. Within this mandate text the SRDs are repeatedly outlined as existing usage systems to be considered among the others.
2. The ECC “”*CPG has invited WGSE to perform preliminary compatibility studies between RLANs and other radio systems above 5.725 GHz””.* This should not excluded SRDs.

TC ERM wishes to underline the following examples:1. A very widespread 5 GHz band usage of SRDs became progressively popular especially within the last years for outdoor/indoor alarm-security microwave sensors due to unachieved harmonisation within CEPT of 9,5 GHz and 10,5 GHz bands.
2. Also a widespread 5 GHz band usage of SRDs happened for outdoor/indoor security wireless TVCC cameras, and in general for video wireless professional use.
3. Similar use to b) above became popular for consumer video electronics too.

All examples above have a common denominator: The 5725 MHz to 5875 MHz band is a fully harmonised spectrum especially within the EU being implemented by the Decision 2006/771/EC for SRDs and then never changed within its (seven years) five revisions.Considering the above TC ERM would like to ask CEPT/ECC WGSE to provide information on the ongoing activities within CEPT/ECC WGSE, especially within SE24, to avoid any neglecting of SRD usage as possible interferer and also victim.This document is overlapping with: SE(14)027\_Summary of Studies for RLAN operating in 5725 – 5925MHz |

|  |  |
| --- | --- |
| **SE(14)Info002****SE(14)Info013** | LS from ERM to WGFM TR 103 148 SRdoc 76 GHz infrastructure |
| In the Liaison Statement of 28 September 2012, WG FM requested a new SRdoc on fixed road infrastructure system applications. ETSI TC ERM notes that subsequently in CEPT Report 44 it was proposed to change the category RTTT to TTT. ETSI TC ERM has therefore broadened the scope of the SRdoc to cover fixed transport infrastructure system applications.The Info002 was sent in September 2013 with the TR on stage 1 status to ECC/FM and SE.This LS should be taken together with: SE(14)017\_LS from WGFM to WGSE (SE24) on fixed transport infrastructure 76-77 GHz During the ETSI TC ERM (02–06 Dec. 2013 (ERM#51)) the TR was approved for publication and the final document was sent (now published) to ECC/SE in SE(14)Info013.Proposed actions:ETSI proposes continuing the use of the 76 GHz -77 GHz band for fixed transport, traffic and telematic (TTT) infrastructure radars. CEPT/ECC-WG FM is requested to consider the SRDoc and to consider what compatibility studies might be appropriate ETSI proposes, based on the ECC study results, to develop a new harmonised standard for fixed TTT infrastructure radars (as described in the SRDoc) or to amend an existing HEN.The documents are overlapping with: SE(14)017 |

|  |  |
| --- | --- |
| **SE(14)Info001** | SE(14)Info001\_LS to WGFM on draft TR 103 109 links to ships |
| CEPT/ECC-WG FM is respectfully requested to consider the System Reference document with regard to identifying frequency(ies) for broadband links between ships and fixed platforms engaged in coordinated off-shore activities.Please be aware that the SRdoc TR 103 109 will be updated to incorporate the comments from ETSI members into clause 4.1.Reason is that the frequency range studied by ETSI is sub 6 GHz and not the full range indicated by the title.Although the work item specifies the frequency range 5 - 8 GHz, it has been pointed out frequencies above 6 GHz include a number of fixed point to point link bands that are used for long haul infrastructure support including links that traverse open water such as the English Channel.  Links have been or are being installed between UK and France, UK and Belgium.  Other crossings elsewhere in Europe are also under active consideration. With links traversing shipping lanes, ETSI TC ERM is concerned about the potential of interference to these links. Further, the techniques for the system in question cannot operate above 6 GHz.CEPT/ECC-WG FM is respectfully requested to especially consider frequencies below 6 GHz.The work in ETSI is ongoing.This documents is overlapping with: SE(14)012 |

|  |  |
| --- | --- |
| **SE(14)Info007** | LS from ERM to SE24 on the relationship between antenna beam-width and transmitted power for RFID in the band 915 – 921 MHz |
| ETSI TC ERM (TG34) proposed possible antenna parameters for the possible RFID usage in the frequency range 915 to 921MHz (SE24 WI41).The LS was noted in SE24 (for ECC report 200)See reaction from SE24:SE(14)006A3\_LS to ETSI ERM on antenna beam width RFID  |

|  |  |
| --- | --- |
| **SE(14)Info008** | LS from ERM as response to the 862-863 MHz Usage Proposal from WG FM |
| Reaction to on a LS from ECC/FM to ETSI. ETSI (special TG28) is working on the request from WG FM “to confirm these technical parameters [for the potential use in 862 – 863 MHz]; a) whether they are appropriate and b) to enquire whether there is demand from ETSI members for such a usage opportunity in the frequency range 862-863 MHz”, At the TC ERM#51 meeting (2-6 December 2013), a progress report was received from ERM TG28. TC ERM discussed the indications from ERM TG28 and agreed the following.ERM noted therefore * that ECC has already assigned a work item WI47 to ECC-SE24:
* that ECC-SE24 has nearly completed studies under work item SE24\_42, i.e. for Part 1 of WI42, a final draft ECC Report 207 concerning the LTE UE adjacent use below 862 MHz and the unwanted emissions impact on 863 – 870 MHz SRD applications.

Considering all of the above, it was agreed that it is premature without proper evaluations to provide WG FM with the answer to its request to ETSI, since it is felt that SRD operations in the 862 – 863 MHz frequency band will obviously be even more problematic than those studied in ECC Report 207. However, due to the very high similarity between the WI42 Part 2 and WI47, a significant difference is not expected , therefore it would be very effective and faster to complete WI42 Part 2, and merge it WI47, something that WGSE has already preliminarily indicated.*Note: this last point is proposed by SE24, see SE24 progress report SE(14)006* |

|  |  |
| --- | --- |
| **SE(14)Info009** | LS to WGFM cc WGSE on ITS spectrum mask regulation update in the 5,9 GHz band.doc |
| System Reference document as input for the further update of the ITS spectrum regulation scheduled for the year 2014 that would allow for ITS to be introduced in the European markets in 2015.The TR includes technical information to revise relevant technical studies e.g. based on ECC Report 101 or ECC Report 109 and to investigate the optimization of the existing spectrum mask for the deployment of ITS systems in the 5,9 GHz range with the main focus on clarification between the out-of-band emissions and the applicable emissions limits in the spurious domain.The updated requirements included in the SRDoc are based on the state-of-the-art technology capabilities available for ITS implementations. Additional mitigation factors included in the actual Release 1 set of ITS system specifications are taken into account for optimized coexistence behaviour. An updated regulatory framework is required for an efficient implementation of the upcoming cooperative ITS systems in due time.  |

|  |  |
| --- | --- |
| **Information on WPT** | **Actual Information out of ETSI with SE relevance** |
| During the ERM Meeting in December ETSI TC ERM approved a Work item (DTR/ERM-TG28-510 ) in TG28 to prepare an ETSI TR (TR 103 244).

|  |  |
| --- | --- |
| Title  | Electromagnetic compatibility and Radio spectrum Matters (ERM); Technical Report; (TR) Wireless Power Transmission (WPT) systems below 30MHz WPT below 30 MHz   |
| Scope and Fieldof Application  | To clarify: type of WPT systems below 30MHz, technical requirements and possible interference to existing SRD devices below 30MHz. The WI includes the revision of the former table on WPT (former answer to EC) which is actually used as guidance for Notified Bodies and Test houses   |

 |

|  |
| --- |
| **Relationship between WGSE and ETSI activities** |
| **List of ETSI Harmonized Standards related to ECC work:** The HEN list is [SE(14)036](http://www.cept.org/Documents/wg-se/15566/SE%2814%29036_List-of-ETSI-Harmonized-Standards-related-to-ECC-work_rev3-January-2014) - List of ETSI Harmonized Standards related to ECC work\_rev3 January 2014.xlsxFor information:The ECC/ETSI matrix is [SE(14)035](http://www.cept.org/Documents/wg-se/15565/SE%2814%29035_ETSI-ECC-Cross-reference-matrix_2012_v7-3-January-2014) - ETSI-ECC Cross-reference matrix\_2012\_v7 3 January 2014.xls  |
|  |

**Additional Information**

During the last ERM#51 meeting following changes in ERM

1. **New ETSI TC ERM chairman:** Holger Butscheidt (BNetzA / Germany)

Final steps: formal approval by ETSI OCG and Board (meetings parallel to ECC/SE meeting.

|  |  |  |  |
| --- | --- | --- | --- |
| Butscheidt Holger | Chairman |  | [BMWi](http://webapp.etsi.org/teldir/QueryOrgaInfo.asp?OrgaId=5) |
| Owen Gabrielle | Acting Chairman | till OCG and Board meeting | [Ministry of Economic Affairs](http://webapp.etsi.org/teldir/QueryOrgaInfo.asp?OrgaId=17) |
| De Brito Georges | Vice Chairman |  | [ORANGE](http://webapp.etsi.org/teldir/QueryOrgaInfo.asp?OrgaId=8) |
| Minaev Igor | Technical Officer |  | [ETSI](http://webapp.etsi.org/teldir/QueryOrgaInfo.asp?OrgaId=1) |
| Mahler Michael | Liaison Officer | to ECC/SE | [ROBERT BOSCH GmbH](http://webapp.etsi.org/teldir/QueryOrgaInfo.asp?OrgaId=42) |
| De Brito Georges | Liaison Officer | to ECC/RA | [ORANGE](http://webapp.etsi.org/teldir/QueryOrgaInfo.asp?OrgaId=8) |
| Vangeel Edgard | Liaison Officer | to ECC/FM | [Cisco Systems Belgium](http://webapp.etsi.org/teldir/QueryOrgaInfo.asp?OrgaId=7380) |

1. **Set-up of a new ETSI TG.**

### ETSI TC ERM TG41 Wireless Industrial Applications

|  |  |
| --- | --- |
| Chairman: | Judith E. Y. Rossebø, ABB |
| Reports to: | TC ERM |
| Title: | ERM-TG41 - Wireless Industrial Applications |

**Task:**

* Represent the interests of the Wireless Industrial Automation Industry where these are not covered by existing ETSI TBs.
* To develop harmonized standard(s) for wireless industrial applications (WIA) in the frequency range 5725 MHz to 5875 MHz.
* Develop other types of deliverables for wireless industrial applications that are not covered by existing TBs/standards.

The report from the ETSI ERM meeting ERM#51 meeting is actual only available as draft stage:

Draft Summary of ERM#51:

**ERM(13)51\_097** for the draft meeting report

**ERM(13)51\_002r3** for the action points.

The next ETSI ERM#52 meeting is planned for 24th to 28h March 2014

Location: ETSI / Sophia Antipolis / France