

Contract Number 235542

RACE networkRFID

FP7 Thematic Network
ICT-PSP: a European concerted effort on RFID

D4.1.1 – List of WP4 liaison statements and reports with at least GRIFS, CASAGRAS, CERP, ETSI and CEN report

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Contact person: Patrick GUILLEMIN and Trevor PEIRCE (AVANTA)

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Dissemination Level		
PU	Public	PU
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	

TABLE of CONTENTS

<i>Introduction</i>	3
<i>WP4 Work Package updates</i>	4
<i>RACE networkRFID, WP4 D4.1.1 Progress at M24</i>	5
<i>Deliverables</i>	6

Introduction

In 2011 RACE networkRFID has been renamed “RFID in Europe”

<http://www.race-networkrfid.eu> *The “RACE networkRFID” initiative is designed to establish an open network, federating all committed RFID stakeholders in Europe, with the objective of fostering the deployment of the RFID technology across Europe and across multiple applications domains while addressing all aspects of RFID technologies, ranging from theory, policy, standards, and regulations to technology uptake best-practices in order to enhance public and industry awareness and exploitation. Representation within the consortium embraces academia, business, technology stakeholders, researchers, standards and regulatory stakeholders and, very importantly, the user community with strong SME representation. The “RACE networkRFID” will be an open initiative, involving both the 25 *Contractual Members* (that are signatory to the contract with the European Commission) and *Associate Members* that will be invited, as the project unfolds, to join the network after its contractual start, with the objective of federating a broader community to drive and support the further development and deployment of RFID technology across Europe.*

RACE networkRFID is a dissemination and implementation coordination focused project which is not established nor organized to develop standards. It can however contribute to pre-standardization. The relationship between RACE networkRFID and standards bodies has been developing on an informal basis and has been greatly assisted by the activities within WP4 (D4.1.2) with respect to common terminology, WP1 (D1.2.1) and the RFID PIA (Privacy Impact Assessment) and, WP5 (D5.1) and the RFID sign.

D4.1.1 Report description in RACE networkRFID Description Of Work (DoW)

Deliverable number: D4.1.1							
Deliverable title: List of WP4 liaison statements and reports with at least GRIFS, CASAGRAS, CERP, ETSI and CEN and future projects							
Dissemination level (i): P				Nature of the Deliverable (ii): R			
Month of Delivery: M12, 24, 36							
Participant no. contributing to the deliverable	5	2	7	11	14	18	20
Participant short name	ETSI	GS1	IBERLOG	ELTRUN-AUEB	UNIMAN	VTT	RAND EUROPE
Participant no. contributing to the deliverable	21	22	25				
Participant short name	SINTEF	RFID NORDIC	INTERNET				
Deliverable description and objectives to be achieved (iii): The Thematic Network will create and maintain liaisons with former EU RFID Expert Group stakeholders, CERP -IoT (RFID/IoT Cluster) and future and current EU Projects (GRIFS, CASAGRAS, CuteLoop) to identify requirements for Europe-wide coordinated and harmonised initiative on RFID technology application deployment. D 4.1.1 will describe and list the liaisons requests and answers received in a public summary report published every year.							
Role of the different participants in the production of the deliverable (iv): ETSI, already involved in EU RFID Expert Group, CERP-IoT (RFID/IoT Cluster and EU Projects (GRIFS, CASAGRAS, CuteLoop) will ensure the liaisons needed for the RFID Thematic Network. Thematic Network participants will contribute to maintain this list of liaisons needed to achieve the goals of WP4.							

WP4 Work Package updates

For RACE networkRFID WP4 liaison statements and reports to be produced in this D4.1.1 report the list of liaisons (GRIFS, CASAGRAS, CERP, ETSI and CEN *at least*) should be updated at M24.

EU FP7 Project GRIFS was definitively closed after the 2-3 February 2010 closing conference: [http://www.grifs-project.eu/data/File/agenda_GRIFS_Brussels_2010\(2\).pdf](http://www.grifs-project.eu/data/File/agenda_GRIFS_Brussels_2010(2).pdf) GRIFS project produced a GRIFS MoU with GS1, CEN, CENELEC, LPRA..and ensured the continuous availability of the GRIFS Database <http://www.grifs-project.eu/db/> ITU-T JCA-NID, ISO, IEC did not want to join the GRIFS MoU. The GRIFS database of RFID standards is considered for the 2011-2012 Phase 2 of RFID Mandate M/436 implementation plans.

EU FP7 Project CASAGRAS-2 <http://www.iot-casagras.org/> was launched in June 2010 with ETSI, AIM UK, SINTEF as common partners with RACE networkRFID. This facilitated the continuity of the liaisons between RACE networkRFID, CASAGRAS-2, the EC IoT Research Cluster (IERC, former CERP-IoT) and all IoT/RFID EU research Projects.

The IoT/RFID Cluster CERP-IoT became IERC (IoT European Research Cluster) in 2010 <http://www.internet-of-things-research.eu> . In March 2010 ETSI Patrick Guillemin handed over SINTEF Ovidiu Vermesan the Coordination role of the EU IoT/RFID Research Cluster Platform (IERC). EC Peter Friess (DG INFSO D.4) remains the EC Coordinator of the EU IoT/RFID Cluster (IERC), ETSI Patrick GUILLEMIN is now (from March 2010) Coordinating the IERC IoT pre-standardisation (research-to-standardisation link) and AVANTA Trevor Peirce is coordinating the IERC IoT/RFID Security and Privacy. Both SINTEF, ETSI and AVANTA are members of RACE networkRFID.

In 2010 CEN, CENELEC and ETSI cooperated together in the development of the common answer to the EC RFID Mandate M/436 on RFID Security and Privacy, on RFID Emblem and RFID Privacy Impact Assessment (PIA). RFDI M/436 Phase 1 report has been published in 2010 as ETSI TR 187 020:

ETSI TR 187 020:

RFID system and network security and privacy protection

Doc. Nb. TR187 020




0.0.6 Stable draft (2010-07-16)

Ref. DTR/TISPAN-07044

0.0.12 Final draft for approval (2011-01-21)

http://webapp.etsi.org/WorkProgram/Report_WorkItem.asp?WKI_ID=31383

Details of 'DTR/TISPAN-07044' Work Item

	Work Item Reference	ETSI Doc. Number	STF	Technical Body in Charge	Standard Ready For Download
	DTR/TISPAN-07044	TR 187 020	396	TISPAN 07	
	Current Status (Click to View Full Schedule)	Latest Version	Cover Date	Standstill	Creation Date
	Start of pre-processing (2011-01-31)	0.0.12			2009-06-1
	Rapporteur	Technical Officer		Harmonized Standard	
	Trevor Peirce 	Carmine Rizzo 		No	
Title	Radio Frequency Identification (RFID); Coordinated ESO response to Phase 1 of EU Mandate M436 RFID system and network security and privacy protection				
Scope and Field of Application	Mandate M 436 describes a European Commission request to the European Standards Organizations (ESOs) to deliver a coordinated response on the subject of Radio Frequency Identification Devices (RFID) in relation to privacy, data protection and information security. The Mandate M 436 is divided into 2 phases. This WI refers to Phase 1 only and involves both CE and CENLEC				

RACE networkRFID, WP4 D4.1.1 Progress at M24

In 2010, the ETSI experts involved in RACE networkRFID were ETSI Patrick GUILLEMIN, Leader of WP4 and Trevor PEIRCE (AVANTA under STF contract with ETSI). Trevor PEIRCE was in Year 1 (March 2009 – February 2010), Deputy and then Acting WP4 Leader. In October 2010, the RACE networkRFID Management Board and General Assembly approved to include AVANTA Trevor Peirce as Full Partner and WP5 Leader. ETSI Patrick GUILLEMIN became back the acting WP4 Leader in October 2010 and Trevor Peirce became WP5 Leader and ETSI Expert in WP4.

There have been good progress made towards establishing an understanding between RACE network RFID and other standards organizations (CEN, CENELEC, ITU-T). ETSI (TC ERM, TC TISPAN, TC M2M) with support from principally AVANTA, CEN, CENELEC, GS1, CNRFID/FilRFID and SINTEF has played a pivotal role in the majority of these activities.

Industry associations and coordination bodies have been sources of additional contributions to RACE networkRFID activities both in areas of development, coordination and dissemination.

Let us review at M24 Milestone (February 2011) what was effectively build compared to plans written in previous M12 D4.1.1 report for M24:

CEN

- “M12/Request that CEN becomes an associate member or equivalent”: **M24/CEN TC 225 has been involved in RACE in the framework of RFID Mandate M/436 on RFID Security and Privacy, RFID Emblem and RFID PIA. This has in fact involved CENELEC too.**
- “M12/Encourage CEN TC-225 and other CEN groups to actively participate in RACE networkRFID WP activities”: **M24/CEN TC 225 has been involved in WP4, WP5 and WP1**

ITU-T

- “M12/Request that ITU-T JCA-NID becomes an associate member or equivalent”: **M24/ITU-T JCA-NID did not formally become an Associate Member but ETSI was present in ITU-T JCA-NID meetings and represented RACE networkRFID efforts to coordinate with ITU-T**
- “M12/Encourage ITU-T JCA-NID members liaise by reviewing and commenting upon RACE networkRFID WP deliverables and, in particular in follow-up to their verbal commitment to contribute to D4.1.2”: **M24/ITU-T JCA-NID has been regularly updated by ETSI on RACE networkRFID progress.**

Industry Associations

- “M12/Identify at least 3 candidate industry associations supporting established or growing RFID adoption through the provision of RFID adoption tools (guidelines, end user industry sector standards, etc..)” : **M24/AIM Members, RFID Nordic Members.. became Associate Members of RACE networkRFID. UPU and IATA have been involved in WP5.**
- “M12/Request that at least 3 industry associations become associate members or equivalent”: **M24/As of today at M24 Milestone there are 25 partners and +200 RACE Associate Members http://www.race-networkrfid.org/all_about_race_members**
- “M12/Encourage the exchange of information with the Industry Association in order to enrich the offering of RACE networkRFID and accelerate RFID adoption”: **M24/Since the members of the most important Industry Associations like AIM and RFID Nordic became Associate Members of RACE networkRFID, this facilitated their participation in the RFID Thematic Network.**

Deliverables

Liaisons and reports with at least ETSI, CASAGRAS2, IERC, CEN, CENELEC and ITU-T

RACE networkRFID WP4 (lead by ETSI) linked with the RACE networkRFID General Assembly, Management Board, WP1, WP5 and WP7. As a matter of fact the EC yearly lump sum of 5000 Euros (to travel) and 3000 Euros (mandays) to fund all ETSI travels and man days of Trevor PEIRCE and Patrick GUILLEMIN are dramatically under the effective work produced by ETSI in this project. This is also true for the other RACE networkRFID partners and it is worst (they earn no money for their work) for RACE networkRFID Associate

Partners and make the achievement of our mission sometime very difficult and become a challenge for the sustainability of the project after Year 3.

At ETSI Patrick GUILLEMIN and Trevor PEIRCE ensured in Year 2 (March 2010 – February 2011) regular exchanges between RACE networkRFID and TC TISPAN WG7, TC M2M, TC ERM TG34&TG28, TC ERM TGUWB, TC SCP, TC ITS, EP EHEALTH, ETSI STF 396 that was in charge at ETSI/CEN/CENELEC of the RFID Mandate M/436 Phase 1 in 2010, RFID-CG the CEN/CENELEC/ETSI Coordination Group for RFID Mandate M/436, ETSI OCG made of all Chairman of all ETSI Technical Bodies, ETSI Board and ETSI General Assembly via the bi-annual ETSI Directorate General report and Quarterly STF Progress Reports. EU FP7 CuteLOOP project where ETSI is a funded partner, a contributor to IERC has been indirectly involved in RACE networkRFID. As far as RACE networkRFID is member of IERC, the Thematic Network stakeholders can use IERC as a platform to liaise with other EU wide RFID research projects like ETP EPoSS and FIA.

Trevor Peirce and Philippe Cousin (Philippe left ETSI in 2010 to become an independent consultant) participated both in EU-China Memorandum of Cooperation RFID/IoT expert group ensuring the links between RFID/IoT Chinese activities and IERC, CASAGRAS2 and RACE networkRFID. Trevor PEIRCE participated in EC RFID Security and Privacy, PIA and RFID Emblem meeting with Patrick GUILLEMIN. Other RACE networkRFID partners took place in this RFID Security and Privacy exercise: CEN, GS1, SINTEF, CENELEC, RFID Nordic, AIM UK, Informationsforum RFID (ceased its activities in 2010),...

The following RACE networkRFID Members: **ETSI, SINTEF, AVANTA** and **AIM UK** are Contracted Members of CASAGRAS2 and took important roles in IERC Cluster (former CERP-IoT):

- AIM UK is the CASAGRAS2 Coordinator and RACE networkRFID Management Board Chairman (Ian Smith), he is also RACE networkRFID WP9 Chairman.
- SINTEF Ovidiu Vermesan is IERC Coordinator and funded partner of RACE networkRFID
- AVANTA Trevor PEIRCE is ETSI contracted expert in CASAGRAS2 and RACE networkRFID (WP4) and Trevor PEIRCE is RACE networkRFID WP5 Leader. He is IERC IoT Security and Privacy Coordinator.
- ETSI Patrick GUILLEMIN is Contractd Member of CASAGRAS2 and RACE networkRFID WP4 Leader. He is IERC IoT Standardisation Coordinator.

This numerous links facilitated the cooperation between: ETSI, CEN, CENELEC, The European Commission (DG ENTR, DG INFSO), CASAGRAS2, IERC, RACE networkRFID, EC RFID Recommendation Informal Stakeholder Group, The EC IoT Expert Group drafting next IoT Standardisation Mandate, EU-China IoT/RFID MoC, RFID Mandate M/436 Phase 1 Coordination Group and Experts and all IoT/RFID Projects members of IERC. RACE networkRFID is member of IERC and the worldwide recognized IERC: **the** IoT/RFID European Research Platform.

Detailed WP4 achievements

- 1st March 2010 Management Board Conference call
- 24th & 26th March 2010 General Assembly, Management Board and Review Meetings, Frankfurt
- 6th April 2010 Management Board Conference call
- 12th April 2010 Policy WP Leaders Conference call & prepare updated WP4 M24 planning
- 28th April 2010 EC RFID Recommendation Informal Working Group meeting, Brussels
- 4th May 2010 Management Board Conference call
- 12th May 2010 EU China IoT Expert Group Conference call
- 19th – 21st May 2010 EU China IoT Expert Group meeting, Beijing
- 27th & 28th May 2010 WP4 common terminology conference call & document update
- 31st May 2010 WP4 M24 planning & common terminology conference call & document update
- 6th July MB Conference call
- 7th July Preliminary draft of WP4 RACE Member survey – privacy, security and health
- 8th July Update to draft of WP4 RACE Member survey – privacy, security and health
- 15th July Review and discussion with WP1 leaders (GS1 Marisa Jimenez and Emilie Danel) of RACE Member survey – privacy, security and health
- 16th July Further coordination of WP1 leaders (Marisa & Emilie) input to WP4's RACE Member survey – privacy, security and health
- 27th July Review and modifications to WP4 RACE Member survey – privacy, security and health
- 29th July MB Conference call – common European RFID sign
- 3rd August Release distribution and follow-up WP4 RACE Member survey – privacy, security and health
- 9th August Support to WP4 RACE Member survey – privacy, security and health
- 10th August WP4 RACE Member survey – privacy, security and health
- 18th August Follow-up upon changes to RACE page on EU Web Portal
- 20th August WP4 RACE Member survey – privacy, security and health
- 23rd August Discussion over support of WP5 by fulfilling leadership role
- 4th October RACE follow-up to EC sign meeting
- 5th October MB Conference call
- 7th October preparations of WP5 leadership and interim organization
- 8th October meeting with Katerina Pramatarari at Brussels Airport to discuss WP5
- 14th October analysis WP4 privacy, security and health survey
- 19th October presentation preparation for MB and GA
- 20th October RACE MB & partner meetings in Stockholm
- 21st October RACE GA meeting in Stockholm with presentation of WP4 privacy, security and health survey and, WP4 common terminology (on Web site) and, WP5 RFID sign
- 22nd October Follow-up actions from MB and GA meetings
- 3rd November follow-up with EU Parliament on privacy
- 9th November MB Conference call
- 18th & 19th November Preparation for WP6 SME Event
- 22nd November WP6 SME Event presentation and RFID Medical Demonstration
- 24th November WP4 & WP5 articles for RACE Newsletter. Collect and forward SME Event presentations for distribution to members
- 30th November article on all policy (WP 1, 4, and, 5) related activities for Ian Smith
- 6th December MB Conference call
- 8th December follow-up with review and edits to RACE Newsletter
- 14th December RACE sustainability proposal drafted and distributed to MB
- 16th December follow-up with EC to identify EU Parliament members who would providing supporting public quotations
- 11th January 2011, RACE MB Conference call
- 24th & 25th January 2011, participate in ITU-T JCA NID meeting
- 1st February 2011, deliver RFID/IoT presentation to Effects+ cluster meeting in Brussels
- 3rd & 4th February 2011, Face to face Management Board Meeting in Barcelona/Sitges
- 15th February 2011, Conference call with EU members of EU China IoT Expert Group and preparation for next f-2-f meeting in Beijing
- 22nd February 2011, EU China IoT Expert Group meeting in Beijing