

AVERE-EUROPE WEBINAR ON WIRELESS POWER TRANSFER PRESENTATION AGENDA

1. Standardization

- a. Role of standardization
- b. Which standards deal with wireless power transfer
- c. What can be found in these standards
- d. Europe and wireless power transfer
- e. IEC 63243: the new dynamic wireless power transfer standardization project

2. New H2020 research project: INCIT-EV

- a. Introduction
- b. Consortium
- c. Project overview
- d. Work package structure
- e. Methodology

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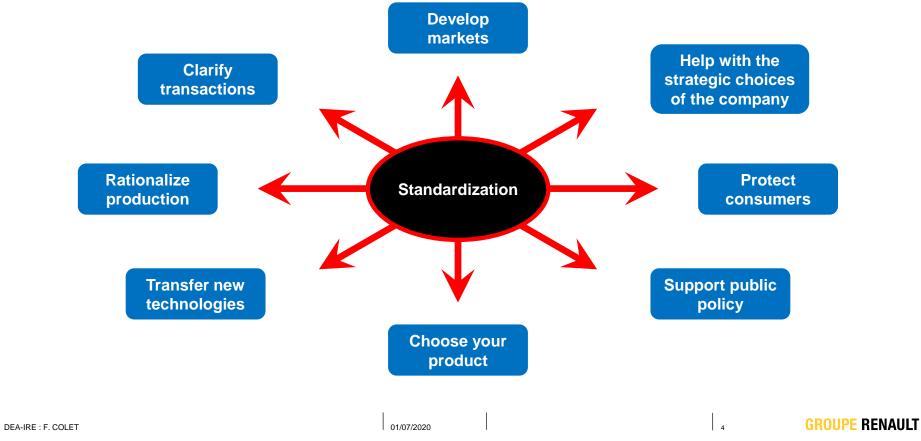
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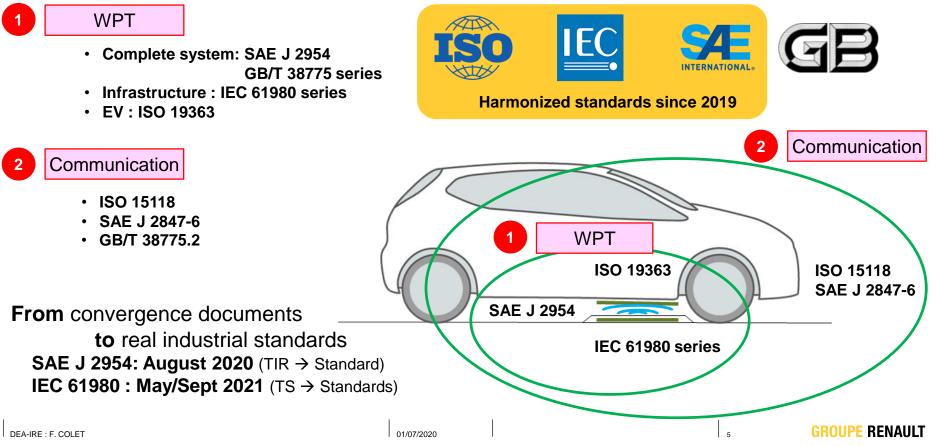
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01 – STANDARDIZATION A – ROLE OF STANDARDIZATION



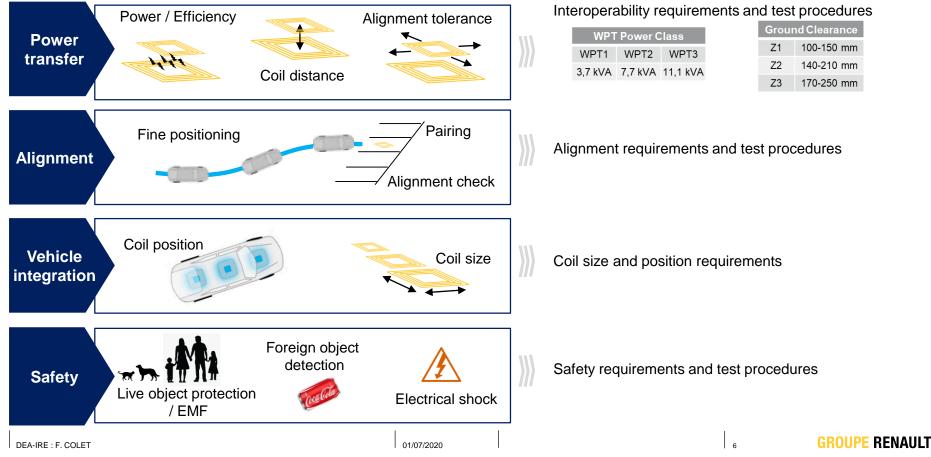
01 – STANDARDIZATION

B – WHICH STANDARDS DEAL WITH WIRELESS POWER TRANSFER



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01 - STANDARDIZATION C - WHAT CAN BE FOUND IN THESE STANDARDS

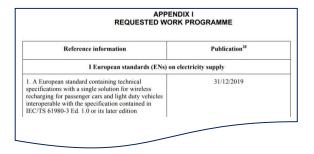


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01 – STANDARDIZATION D – EUROPE AND WIRELESS POWER TRANSFER

 M/533 Commission implementing decision on standardization request to CEN/CENELEC/ETSI

ept.org/ecc/meeting	g-calendar/					0
ECC \rightarrow ECC Cale	endar					
26/06/20 10:00 26/06/20 13:00	SE 7	SE7 meeting	Web- meeting	10:00 - 13:00		
29/06/20 10:00 03/07/20 15:00	ECC	53rd ECC Plenary	Web- meeting	10:00 - 15:00		
30/06/20 09:00 30/06/20 10:30	NaN1	NaN1 web meeting with 5G-ACIA - numbering for non-public networks	Web- meeting	09:00 - 10:30		ECO1
30/06/20 14:00 30/06/20 16:30	SE 24	SE24_WI60#18 - WPT	Web- meeting	14:00 - 16:30		ECO4
02/07/20 10:00 02/07/20 12:30	ECC PT1	CG 3400-3800 MHz MFCN TDD X-border coordination #7	Web- meeting	10:00 - 12:30	Login to register	ECO3
02/07/20 14:00 02/07/20 16:00	SE 19	WI_43-#2-FS protection criteria other than long term	Web- meeting	14:00 - 16:00	Login to register	ECO6
07/07/20 14:00 07/07/20 17:00	SE 24	SE24_WI60#18 - WPT-EV spurious emissions	Web- meeting	14:00 - 17:00	Login to register	ECO4



- On-going activities regarding emission test levels to respect in Europe
 - Technical meeting scheduled with ECC SE 24 on the 7th of July at 2pm in order to review test procedures and measured data.
 - Meeting open to everybody, registration required on CEPT website <u>https://www.cept.org/ecc/meeting-calendar/</u>

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01/07/2020

01 – STANDARDIZATION E – IEC 63243: THE NEW DWPT STANDARDIZATION PROJECT

A new project regarding dynamic wireless power transfer

- Convener: Professor Uooyeol Yoon (KAIST)
- Kick-off meeting in June 2019
- Next meeting will be hold by Israel (Electreon), October 13~15th, 2020

Standard with the same technical scope as for static: interoperability and safety

But

Proposition to create interoperability Testing Symposium in the same way as for ISO 15118

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RFNAULT

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02 – NEW H2020 RESEARCH PROJECT: INCIT-EV A – INTRODUCTION



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 875683.

8 countries : Estonia, France, Germany, Italy, The Netherlands, Slovenia, Spain, Turkey.



02 – NEW H2020 RESEARCH PROJECT: INCIT-EV B – CONSORTIUM

Participa nt No.	Participant legal name	Short name	Country	Organisation type			
1 (Coord)	RENAULT SAS	RSA	FR	LC-OEM			
2	Commune de PARIS	CDP	FR	Public Authority			
3	Fondation Partenariale MOV'EOTEC	VEDE	FR	RTO			
4	Institut Français des Sciences et Technologies des Transports, de l'Aménagement et des Réseaux	IFSTTAR	FR	RTO			
5	PSA ID	PSA	FR	LC- OEM			
6	COLAS SA (LTP:Colas lle-de-France/Normandie)	COLAS	FR	LC- road infrastructures construction and management			
7	EUROVIA Management	EUROVIA	FR	LC- road infrastructures construction and management			
8	ENEDIS	ENEDIS	FR	LC - DSO			
9	Ayuntamiento de Zaragoza	AYZ	ES	Public Authority			
10	Fundación CIRCE Centro de Investigación de Recursos y Consumos Energéticos	CIRCE	ES	RTO			
11	Red Eléctrica de España S.A.U.	REE	ES	LC - TSO			
12	IDNEO Technologies SAU	IDNEO	ES	SME- Charging system provider			
13	Ingeniería y Técnica del Transporte TRIA SA	TRIA	ES	SME- Charging system provider			
14	Comune di TORINO (LTPs: GTT, 5T)	COT	П	Public Authority			
15	Fondazione LINKS - Leading Innovation & Knowledge for Society	LINKS	IT	RTO			
16	Politecnico di Torino	POLITO	IT	RTO			
17	IREN SPA	IREN	Π	LC - DSO			
18	PRIMA ELECTRO SPA	PRIMA	IT	LC- Charging system provider			
19	FPT INDUSTRIAL SPA (LTP: IVECO)	FPT	IT	LC- OEM/ Charging system provider			
20	Province Noord-Holland	MRA-E	NL	Public Authority			
21	GREENFLUX assets B.V.	GFX	NL	SME- IT provider			
22	We Drive Solar	WDS	NL	SME- Car-sharing services			
23	Pitpoint.EV B.V.	PitP	NL	LC- Tech provider			
24	Eesti Energia Aktsiaselts	EESTI	EE	LC - DSO			
25	EV charged B.V.	EVBox	NL	LC- Charging system provider			
26	ELES d.o.o., Sistemski operater prenosnega elektroenegetskega omrežja	ELES	SI	LC - TSO			
27	Univerza V Ljubljani	UL	SI	University - RTO			
28	ATOS SPAIN SA (LTP: Atos IT)	ATOS	ES	LC- IT provider			
29	BIT & BRAIN technologies SL	Bitbrain	ES	SME- User expert			
30	OI ENERGY ASSESMENT SL	OiE	ES	SME- Exploitation expert			
31	AVERE FRANCE	AVERE	FR	EV Users Association			
32	Bursa Buyuksehir Belediyesi	BBB	TR	Public Authority			
33	Stadtwerke Norderney GMBH	SWN	DE	LC - DSO			

	USF	R AND ST	AKEHOLDER	ANALYSIS AND E	NGAGEN	TENT	•		
👹 Bitbrain			AVERE	AVERE – Dissemination	QiEurope		QiE – Exploitation		
DSS DEVELOPERS									
24.00	ATOS – ICT environment			LINKS - User platform			GFX - User platform		
Atos			ELES	ELES – DSS module	S - DSS module		UL – DSS module		
TECHNOLOGY DESIGN AND DEVELOPMENT									
EVBOX		– Ultrafast harging	Gcirce	CIRCE – Low-power V2G; SWPT	ROLITICALCO DI TORINO		POLITO - Low- power V2G; chargin hub control		
Prima Electro	cha	- Ultrafast rging	VEDECOM	VEDECOM - DWPT			IFSTTAR - Grid integration and road embedment		
TECHNOLOGY INTEGRATION AND DEPLOYMENT									
GROUPE RENAULT	coordina	Project tion; OEM, leployment	PSA	PSA – OEM, Exploitation	EFP		FPT – OEM, interoperability		
	COLAS - DWPT integration (urban environment)			EUROVIA - DWPT integration (road)	🔺 tria		TRIA - SWPT integration		
WE DRIVE SOLAR	charging	- Smart operation haring)	PITPOINT	PitPoint Smart charging operation	🔊 id	neo	IDNEO - LEVs rach and charging		
<u> </u>			DEMONSTRAT	TION ENABLERS	•		•		
Enedis		ENEDIS – Paris DSO		🔊 PARI	S	CDP	- Paris Municipality		
iren		IREN - Torino DSO		CITEV IN TORINO		COT – Torino Municipality			
RED ELECTRICA DELECTRICA		REE – Spanish TSO		😼 Zaragoza		AYZ - Saragossa Municipality			
Eesti Energia		Eesti – Tallin DSO		elektrisch		MRA-E – Amsterdam Regional authority			
		STW – Norderney Utility (Follower)		۲		BBB - Bursa Municipality (Follower)			

Table 22 INCIT-EV Consortium and role

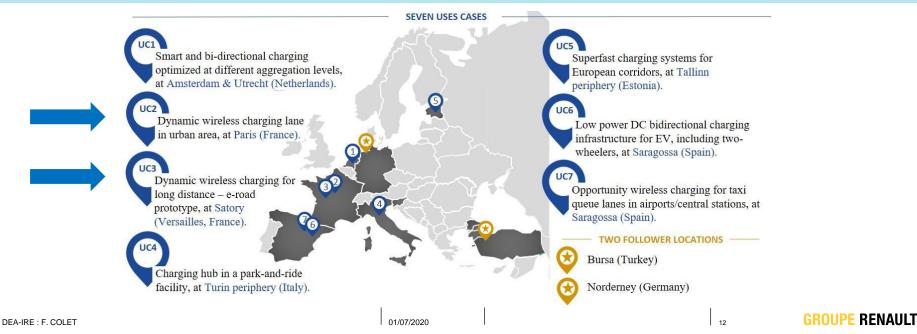
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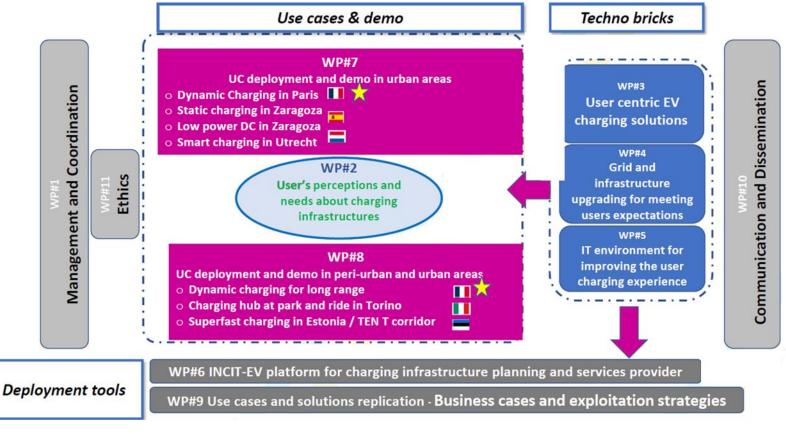
02 – NEW H2020 RESEARCH PROJECT: INCIT-EV C – PROJECT OVERVIEW

INCIT-EV aims to demonstrate, at five demonstration environments including TENT-T corridors, an innovative set of charging infrastructures, technologies and its associated business models, ready to improve the EV users experience by considering both their conscious and unconscious preferences in their design, with the ultimate goal of fostering the EV market share in the EU.

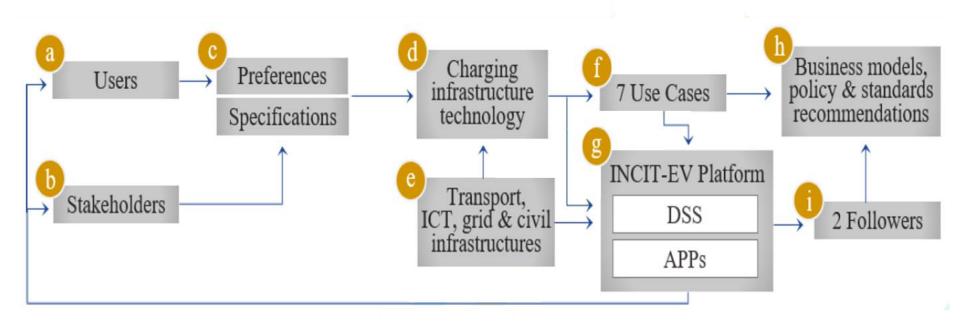


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02 - NEW H2020 RESEARCH PROJECT: INCIT-EV D - WORK PACKAGE STRUCTURE



02 – NEW H2020 RESEARCH PROJECT: INCIT-EV E – INCIT-EV METHODOLOGY



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DEA-IRE : F. COLET



THANK YOU