## **Appendix [Certification Procedure] CPO**

No.	Task Description	Hubject	CPIP	Status	Orig. Due Date	Current Due Date	Date Closed	Comments
	Preconditions							
1	Interface Description				E E	- 3		8
000	Go to www.hubject.com & register under 'Downloads'		8		i i		•	*
	Activate account	8	li .		11 11		į.	8
	Retrieve OICP interface description at www.hubject.com	335	8					
.051	Read OICP document	3	×		E E			Š.
2	Partnership Setup					î î	*	<u> </u>
	Send welcome package incl. project plan	8			1 1			Š.
	Sign contract		8	1				
3					8 5			3
M0	Initialise Onboarding Process	2						
	Elaborate project plan (responsibilities, time plan, milestones, weekly telephone calls, E2E test plans) in kick-off meeting	8	×		8 8	- 3	\$	Ž.
	Send Onboarding Package (intercharge credentials for CPO E2E testing (RFID & App))	×						
4	Partner Connection Information				8 8	3	\$	32
	Choose person as administrator for HBS account		×					1
	Get IP addresses of CPO backends and work places in order to activate HBS firewall	\$	8		8 8			E.
	Fill in Partner Connection Information Form (see Onboarding Package) & send to your Onboarding Manager		×		1			
5	Activation of IP Addresses					- 1	5	ž.
-	Order activation of IP addresses at HBS firewall and load balancers	8		1				
6	Certificates				8 8		5	ž.
	Issue Certificate Signing Request (CSR) (see Secure Connection Guide) & send to your Onboarding Manager	25 25	×					
	Order signing of CSR at Hubject's CA	8	100		S 3		5	2
	Return certificates including signed certificate	×						
7		8			E 3		5	2
	Establish 1 CPIP user account with CPO service type rights at HBS QA system	8						-
	Send portal name (URL), login name and initial password	8			15 B	- 1	5	Ž
	Send confirmation to Onboarding Manager that initial password was received and initially changed	-	8					
8	intercharge QR codes		V		K 3	- 3	5	
	Send EVSE-ID of 'lab charge point' for QA testing to your Onboarding Manager Produce & send QR code for QA testing	20 20	×					-
	Entropy to the control of the contro	×	10000	16	3 8			Si .
MI		8	8				a .	12
_	Implementation & Testing (QA system)							
9	Access Testing				8 8			3
	Check network connectivity (optional: with eRoaming Access Test (see Onboarding Package))		8					
	Upload certificate to HBS for incoming messages at partner backend	3	8		F 7			3
	Approve certificate at Task List (HBS)	8	500				20	90
10	intercharge Application							
	Download intercharge app from Appstore (for iOS devices) or Google Playstore (for Android devices)	28	8		13 3	1	3	8
	Switch app to QA system with QR code (see Onboarding Package)		8					
11	Offers & Subscriptions						3	8
	Post 'Authorization' and 'Push EVSE' offer at HBS QA system (acting as CPO) (see user documentation Onboarding Package)		×					
	Subscribe 'Push EVSE' (eRoaming platform) & 'Authorization' (EMP intercharge)	×					s	40
12					N 38		-	8
	Check validity of CPO data sent to HBS according to Integration Test plan (see Onboarding Package) [optional]	*	8		1		-	
13	Veb Service Implementation	8			0 0		1	9
-	Implement web services at CPO backend							
	(see Web Service Checklist, WSDL files & Service Endpoints Onboarding Package)		8				s	33
	Test web services and check with the help of HBS Process Monitor		8	1				
	Perform E2E tests with real 'lab charge point' (see E2E Test Plan Onboarding Package)	13	8	1			-	*
	Check implementation of web service operations	8	0	1			9	
		8		1		-	0	-
	Check data validity (EVSE static, EVSE dynamic, CDR) in HBS Process Monitor		le .	1			i e	10 10
	Check web service frequency of EVSE data up- and downloads in HBS Process Monitor	8	F 0000	1				S.
	Sign (Scan/email) Web Service Checklist	8	×				1	10
14				_				
	Hold final telephone conference	8	X		3 3		-	Ä.
VI2	CHECK certification granted	8	1.	1				

Appendix Certification Procedure Current as at: 01 January 2018

## Appendix [Certification Procedure] EMP

No.	Task Description	Hubject	CPIP	Status	Orig. Due Date	Current Due Date	Date Closed	Comments
	Preconditions							
1	Interface Description			2	Q P			8
×	Go to www.hubject.com & register under 'Downloads'		8		li ii			
	Activate account	8			E E			8
	Retrieve OICP interface description at www.hubject.com	35	8					
0	Read OICP document	8	×	1	9 F		É	8
2	Partnership Setup		o Acres					
	Send welcome package incl. project plan	8			9 3			K .
	Sign contract		8					
0	Deliver implementation information (EMP online or EMP offline, authentication methods etc.)	- 3	×		1 I			Ř.
	Project Kick-Off							
V10	Initialise Onboarding Process	8	5			- 3	3	8
	Elaborate project plan (responsibilities, time plan, milestones, weekly telephone calls, E2E test plans) in kick-off meeting	8	×					
	Send Onboarding Package (intercharge QR code for EMP E2E testing)	- 8			8			9
4	Partner Connection Information							
	Choose person as administrator for HBS account	8	×		8 8		3	V.
	Get IP addresses of EMP backends and work places in order to activate HBS firewall		×					
	Fill in Partner Connection Information Form (see Onboarding Package) & send to your Onboarding Manager	3	×		E E	-		¥
5	Activation of IP Addresses							
	Order activation of IP addresses at HBS firewall and load balancers	8		1	1 1	- 3		¥
6	Certificates							
	Issue Certificate Signing Request (CSR) (see Secure Connection Guide) & send to your Onboarding Manager	3	X		1 1			¥
	Order signing of CSR at Hubject's CA	8					_	
_	Return certificates including signed certificate	8			1 1		5	N.
7	Ready for QA system testing							
_	Establish 1 CPIP user accounts with EMP service type rights at HBS QA system	8	5		1 1		5	N.
	Send portal name (URL), login name and initial password	8	- 550A Ti		ls			
	Send confirmation to Onboarding Manager that initial password was received and initially changed	- 8	X	-				
		8	×				2	2
	Implementation & Testing (QA system)							)
8	Access Testing	2			(i) (ii)			3
	Check network connectivity (optional: with eRoaming Access Test (see Onboarding Package))		- 2					
	Upload certificate to HBS for incoming messages at partner backend	- 8	X	<u> </u>	¥ 9			8
0	Approve certificate at Task List (HBS)	8			te s		8	10
9	intercharge Application							
	Download intercharge app from Appstore (for iOS devices) or Google Playstore (for Android devices)	23	X		18 8		9	8
	Switch app to QA system with QR code (see Starter Package)		8					
	Offers & Subscriptions						3	
10	Subscribe ebee 'Authorization' and eRoaming platform 'Pull EVSE Data' and 'PullEVSE Status' offers (acting as EMP)		×					
10	Post 'Push Authentication' offer (only EMP offline)	3	X		8			8
10		8				,		
10	Subscribe 'Push Authentication' offer (only EMP offline)		-					
	Subscribe 'Push Authentication' offer (only EMP offline)  Data Validite Testing							8
	Data Validity Testing		×			3		
11.	Data Validity Testing Check validity of EMP data sent to HBS according to Integration Test plan (see Onboarding Package) [optional]		×			3		
11.	Data Validity Testing Check validity of EMP data sent to HBS according to Integration Test plan (see Onboarding Package) (optional)  Veb Service Implementation					3		
11	Data Validity Testing Check validity of EMP data sent to HBS according to Integration Test plan (see Onboarding Package) (optional)  Web Service Implementation Implement web services at EMP backend		×					
11.	Data Validity Testing Check validity of EMP data sent to HBS according to Integration Test plan (see Onboarding Package) (optional)  Web Service Implementation Implement web services at EMP backend (see Web Service Checklist, WSDL files & Service Endpoints Onboarding Package)						>	
11.	Data Validity Testing Check validity of EMP data sent to HBS according to Integration Test plan (see Onboarding Package) (optional) Web Service Implementation Implement web services at EMP backend (see Web Service Checklist, WSDL files & Service Endpoints Onboarding Package) Test web services and check with the help of HBS Process Monitor		х					
11	Data Validity Testing Check validity of EMP data sent to HBS according to Integration Test plan (see Onboarding Package) (optional) Web Service Implementation Implement web services at EMP backend (see Web Service Checklist, WSDL files & Service Endpoints Onboarding Package) Test web services and check with the help of HBS Process Monitor Perform E2E tests with real 'lab charge point' (see E2E Test Plan Onboarding Package)	2	х					
11.	Data Validity Testing Check validity of EMP data sent to HBS according to Integration Test plan (see Onboarding Package) (optional)  Web Service Implementation Implement web services at EMP backend (see Web Service Checklist, WSDL files & Service Endpoints Onboarding Package)  Test web services and check with the help of HBS Process Monitor Perform EZE tests with real 'lab charge point' (see EZE Test Plan Onboarding Package)  Check Implementation of web service operations	8	х					
11.	Data Validity Testing Check validity of EMP data sent to HBS according to Integration Test plan (see Onboarding Package) (optional)  Web Service Implementation Implement web services at EMP backend (see Web Service Checklist, WSDL files & Service Endpoints Onboarding Package)  Test web services and check with the help of HBS Process Monitor  Perform EZE tests with real 'lab charge point' (see EZE Test Plan Onboarding Package)  Check implementation of web service operations  Check data validity (Authentication data (only EMP offline)) in HBS Process Monitor	8	х					
11.	Data Validity Testing Check validity of EMP data sent to HBS according to Integration Test plan (see Onboarding Package) (optional)  Web Service Implementation Implement web services at EMP backend (see Web Service Checklist, WSDL files & Service Endpoints Onboarding Package) Test web services and check with the help of HBS Process Monitor Perform E2E tests with real 'lab charge point' (see E2E Test Plan Onboarding Package) Check implementation of web service operations Check data validity (Authentication data (only EMP offline)) in HBS Process Monitor Check web service frequency of EVSE and Authentication data up- and downloads in HBS Process Monitor	8	X X					
2	Data Validity Testing Check validity of EMIP data sent to HBS according to Integration Test plan (see Onboarding Package) (optional)  Web Service Implementation Implement web services at EMIP backend (see Web Service Checklist, WSDL files & Service Endpoints Onboarding Package)  Test web services and check with the help of HBS Process Monitor Perform EZE tests with real 'lab charge point' (see EZE Test Plan Onboarding Package)  Check implementation of web service operations Check data validity (Authentication data (only EMIP offline)) in HBS Process Monitor Check web service frequency of EVSE and Authentication data up- and downloads in HBS Process Monitor Sign (Scanfernail) Web Service Checklist	8	х					
2	Data Validity Testing Check validity of EMP data sent to HBS according to Integration Test plan (see Onboarding Package) (optional)  Web Service Implementation Implement web services at EMP backend (see Web Service Checklist, WSDL files & Service Endpoints Onboarding Package) Test web services and check with the help of HBS Process Monitor Perform E2E tests with real 'lab charge point' (see E2E Test Plan Onboarding Package) Check implementation of web service operations Check data validity (Authentication data (only EMP offline)) in HBS Process Monitor Check web service frequency of EVSE and Authentication data up- and downloads in HBS Process Monitor	8	X X					