

Preamble

This document describes the GIREVE Services provided by the BOOST! licences. Upon its subscription to a BOOST! licence, GIREVE provides the Contracting Party with (i) an access to the GIREVE Digital Platform (“Connect Place”) for the purpose of managing its contractual relationship with CPOs and the daily operations linked to the execution of its Roaming Agreements, and, (ii) with an access to the GIREVE Roaming Platform for the purpose of exchanging technical data with its Partners and GIREVE, benefitting from the Level of Services committed by GIREVE in the Agreement. The Contracting Party undertakes to use the GIREVE Roaming Platform to exchange with its Partners all data linked to the features described above, to the exclusion of any other means of data exchange.

Operators can exchange data using either eMIP or OCPI Protocol. The Contracting Party is informed that GIREVE enables the exchange of data with a Partner that is using a different Protocol from the Contracting Party’s. Nevertheless, in such cases, some technical requirements or limitations can apply. It is the responsibility of the Contracting Party to take into consideration these requirements and limitations by consulting the GIREVE’s documentation available at <https://www.gireve.com/en/download>.

Any data submitted by the Contracting Party to GIREVE are and shall remain the property of the Contracting Party or that of the third party on whose behalf the Contracting Party acts. The Contracting Party undertakes to ensure that any kind of data provided to GIREVE under this Order Form is accurate, complete and timely updated. By signing the Order Form, the Contracting Party hereby expressly grants GIREVE a license to operate these data for the delivery of the GIREVE Services to the Contracting Party and its Partners. GIREVE is also authorised to carry out under its sole responsibility, any reuse and exploitation of these data anonymised beforehand and within the limits of the law and/or of any confidentiality obligation covering such data. This authorisation is granted without limitation as to time and for the entire world.

The Contracting Party shall not have the right to grant access to the Connect Place or to the GIREVE Roaming Platform to any third party.

Definitions

“**EVSE**” or “**Electric Vehicle Supply Equipment**” or “**Charging Point**”: the part within a Charging Station which delivers the electricity to a single electric vehicle. A vehicle can connect to a Charging Point using one of its Charging Connector. A Charging Point may have several Charging Connectors. Only one vehicle at a time can charge on a given Charging Point.

“**Charging Connector**”: a socket, plug or attached cable.

“**Charging Pool**”: location where charging infrastructure elements can be found. A Charging Pool may have several Charging Stations. A Charging Pool is managed by a single CPO.

“**Charging Station**”: physical element on which Charging Points are available. The Charging Station is also the “Human-Machine Interface” between the charging infrastructure and the end-users. A Charging Station may have several Charging Points.

“**EVSE Data**”: set of **EVSE Data Attributes** of a given **EVSE Data Coverage** provided by GIREVE to the Contracting Party under a licence described in a BOOST! Order Form.

“**Dynamic Data**”: data describing an EVSE which changes frequently, typically every few minutes or hours. For example, the current availability status of an EVSE is a Dynamic Data;

“**EVSE Data Attributes**”: Static Data, or, Static and Dynamic Data. EVSE Data Attributes are defined in the GIREVE technical documentation;

“**EVSE Data Coverage**”: An EVSE Data Coverage defines the EVSE provided by GIREVE and can be defined by a set of networks operated by given CPOs, identified by a unique identifier as per the eMI3 group recommendations available at <https://emi3group.com/>, or a geographical coverage;

“**Static Data**”: data describing an EVSE which change infrequently, for example the physical location of a Charging Location is a Static Data.

“**Contracting Party’s EVSE Data**”: set of data created by the Contracting Party from the EVSE Data, describing EVSEs for the provision of the Contracting Party’s service to a given **Audience** on a given **Media**;

“Audience”: group of End-Users having the same rights to access and use a service that includes the Contracting Party’s EVSE Data. As an example, an Audience can be: (i) the End-Users having a direct contract with the Contracting Party for the purpose of charging its vehicle, (ii) All kind of End-Users;

“Brand” or **“Branding”**: Unique design, sign, symbol, words, or a combination of these, employed in creating an image that identifies a legal entity and its products and differentiates it from its competitors;

“End-User”: natural person who is granted the right to access and use a service that includes the Contracting Party’s EVSE Data;

“Media”: diffusion channel to display the Contracting Party’s EVSE Data to an Audience. For example a Media can be (i) a smartphone application developed and published by the Contracting Party and branded with the Contracting Party’s Brand, or (ii) a website developed and published by the Contracting Party and branded with the Brand of a third-party, (iii) an onboard navigation system developed and published by a car manufacturer branded with its own Brand.

“Operator”: eMSP and/or CPO subscribing to GIREVE’s services.

“eMobility service Provider” or **“eMSP”**: provider of Access Services to its own Clients;

“Access Service”: service contract between the Contracting Party and its Clients for the purpose of charging on EVSE of the Contracting Party’s Partners;

“Client”: any natural person or legal entity having an ongoing Access Service with the Contracting Party;

“eMSP Operation”: group of Clients defined by the Contracting Party, registered under a unique eMSP Operation identifier and to which one or more Roaming Agreements apply;

“End-Driver”: natural person using the EVSE of a CPO through the Access Service of the Contracting Party;

“Charge Point Operator” or **“CPO”**: provider of Charging Services on EVSEs it operates;

“Charging Services”: service offered by a CPO to an eMSP in the framework of their Roaming Agreement to especially enable the Clients of the eMSP to charge on the EVSE of the CPO;

“CPO Operation”: group of EVSE defined by a CPO, registered under a unique CPO Operation identifier and to which one or more Roaming Agreements apply;

“Roaming Agreement”: contract between a CPO and an eMSP describing the Charging Services supplied by the CPO to the eMSP. The conditions of a Roaming Agreement apply between a given CPO Operation and a given eMSP Operation;

“Partner”: Operator that has signed a Roaming Agreement with another Operator thanks to the GIREVE Services;

“Roaming”: possibility for a Client to use the Charging Services of a CPO through an Access Service of an eMSP;

“Roaming Offer”: offer proposed by a CPO to an eMSP with a view of signing a Roaming Agreement. It describes the terms and conditions of use of its Charging Services.

BOOST! Services: Business Services

1.1. Connect Place account

1.1.1. Creation by GIREVE of a company profile and an administrator account

During the term of an OPEN! licence, GIREVE grants the Contracting Party an access to the Connect Place. GIREVE sets the Contracting Party company profile and an administrator account granted to one of its employees. The administrator is then able to create additional Connect Place’s accounts for additional Contracting Party’s employees. Each account can be set for a unique physical person, with its business email address and a personal password defined by the employee. For each employee account, the administrator parameters the appropriate rights to use the Connect Place features, including the right to sign and amend a Roaming Agreement, use the messaging and dispute services, access the IT reports and diagnosis tools. It is the responsibility of the administrator(s) to make sure that each employee has the appropriate rights. The Contracting Party shall not have the right to grant access to the Connect Place to any third-party which is not a party to the Agreement.

1.1.2. Onboarding support

Following the subscription to a BOOST! licence, the Contracting Party can benefit from an online introduction to the Connect Place and the services available in the BOOST! licence subscribed by the Contracting Party.

1.2. Roaming Offers

1.2.1. Public Roaming Offers proposed by CPOs to all eMSPs

On the Connect Place, the Contracting Party can consult the Roaming Offers, proposed by CPOs to all eMSP registered in the Connect Place. Each Roaming Offer is based on a legal template provided by GIREVE and available for download at <https://www.gireve.com/en/download>. The Contracting Party is informed that some CPO may amend this legal template by adding an additional article that can be used to amend, clarify, enrich, cancel or add terms and conditions of the Roaming Agreement.

Each Roaming Offer defines the relevant services options (ie. ability to allow remote start/stop, to send intermediate charge detail record, etc.), tariffs and payment conditions.

A CPO may publish, modify or delete a Roaming Offer at any time. The Contracting Party is notified of these events by dedicated notifications in the Connect Place and additionally by email when the Contracting Party have activated this option.

The Contracting Party is informed that unless stated otherwise by the Contracting Party, the CPO Partners will have access to historical information about the Contracting Party's service level as stated in the appendix to the Subscription Agreement, named "Contracting Party's Identification form- Part 2".

1.2.2. Private Roaming Offers proposed by a CPO to the Contracting

By using this optional feature of the Connect Place, the Contracting Party can receive personal Roaming Offers from the CPOs, being assured that the other Operators will neither know the details, nor the existence of such Roaming Offers. The Contracting Party is notified in the Connect Place and by email when it has activated this option. The CPO can define specific services options, including the tariffs, and open all or part of its EVSE to the Contracting Party. All features, recommendations and obligations described in the article "Public Roaming Offers proposed by CPOs to all eMSPs" apply.

1.2.3. Roaming Offers analysis

On the Connect Place, each Roaming Offer is further described by additional analysis of GIREVE. These analyses can include the EVSE distribution by power level, connector types, brands, and the availability rate of the EVSE, based on data received by GIREVE from the CPO.

1.3. Roaming Agreements

1.3.1. Signature of Roaming Agreements using the Connect Place

Using the Connect Place, the Contracting Party can sign Roaming Agreements based on the Roaming Offers proposed by the CPOs. At any time, the Contracting Party can terminate a Roaming Agreement under the conditions previously described in the Contracting Party's Roaming Offer. In the course of a Roaming Agreement, the CPO can also propose amendments to the Contracting Party which it can accept or not. In case of refusal, the Roaming Agreement terminates in the conditions initially provided in the Roaming Offer.

Before signing a Roaming Agreement, all service options and contractual terms shall be verified by the Contracting Party, on the Contracting Party's own responsibility. GIREVE shall not be held responsible for any claim due to inaccurate or incomplete information in a Roaming Offer of a CPO.

A Roaming Agreement applies to one eMSP Operation of the Contracting Party and one CPO Operation of one of its Partners. The Contracting Party is authorised to use an unlimited number of eMSP Operations. Thus, GIREVE proposes a feature in the Connect Place allowing the Contracting Party to consolidate all or part of its eMSP Operations into a unique network, and then sign a single Roaming Agreement between this network of eMSP Operations and a CPO Operation. In such cases, the same terms and conditions of the Roaming Agreement apply to each eMSP Operation of the network.

1.3.2. Roaming Agreements signature outside the Connect Place

The Contracting Party may choose not to use the Roaming Offer template provided by GIREVE and use its own contract template instead. In such case, the Contracting Party is advised that it will not be able to use the Business Services of the Connect Place for such purpose.

In such a case, the Contracting Party shall ensure that the Roaming Agreement is in line with the commitments made under the Agreement. When a Roaming Agreement is signed outside the Connect Place, the Contracting Party undertakes to notify GIREVE of any new Roaming Agreement, or amendments made afterwards, by sending to support@gireve.com: (i) CPO name and Operation ID, eMSP name and Operation ID, starting and end or renewal dates of the Roaming Agreement, EVSE Groups and Service IDs as further described in the eMIP and OCPI Protocols.

1.4. Messaging

1.4.1. Sending a message to an Operator

The Contracting Party can open conversation threads with CPO registered in the Connect Place. The Contracting Party fills-in the fields describing the conversation topic, its eMSP Operation(s) linked to the conversation and select the recipient of the messages

by choosing the CPO Operation and the profile of the recipient within this CPO Operation (ie. operational, commercial, accounting, technical). The Contracting Party is then able to start a conversation by sending a first message to the CPO.

Conversations and messages are not limited in number and are saved and retained for the Agreement duration. At any time, the Contracting Party can search for previous conversations in the history, filter them by status (ie. read, unread, archived, flagged) and change this status.

All messages remain confidential between the Contracting Party and the recipients.

1.4.2. Replying a message received from an Operator

The Contracting Party can receive messages from all CPOs using the Connect Place. When a message is sent to an employee of the Contracting Party, he/she is notified in the Connect Place and can also receive an email on its email address linked to its Connect Place account if this feature has been activated. The Contracting Party employee can answer the message in the Connect Place.

All messages remain confidential between the Contracting Party and the recipients.

BOOST! Services: Roaming Services

2.1. Location Data

2.1.1. Reception of Static Data and 2.1.2. Reception of Dynamic Data

GIREVE grants the Contracting Party, as many non-exclusive, non-assignable and worldwide ePOI licences as ordered in a BOOST! Order Form, from their order start date until their order end date described in the Order Form.

Each ordered licence describes the right of the Contracting Party to display the EVSE Data to a given Audience, on a given Media, branded with a given Brand. The Parties shall make sure the Order Form is sufficiently clear enough to avoid any doubt on the EVSE Data usage rights. In case of doubt, the Contracting Party shall ask GIREVE before providing its service including the Contracting Party's EVSE Data.

In addition to the rights described above, the Contracting Party is authorized to:

- modify, reformat, and copy the EVSE Data in its own IT Platform for the purpose of enriching the Contracting Party's EVSE Data;
- provide the EVSE Data to its subcontractors and consultants only for the purpose of using these EVSE data on behalf of the Contracting Party, within the limits of the permitted uses set forth in the Order Form.

The Contracting Party shall not:

- redistribute, sell, rent, lease, sublicense, or otherwise transfer EVSE Data usage rights (except as expressly authorised for a given licence in an Order Form);
- share, distribute or publish an API key or access code provided by GIREVE to access the EVSE Data.

At the termination or cancellation of a BOOST! licence, the Contracting Party shall not use the EVSE Data anymore. The Contracting Party, its Affiliates and subcontractors shall destroy the EVSE Data and produce a certificate of destruction at GIREVE's demand.

Any limitation of use of the EVSE Data provided above shall survive the end of the Agreement. The parties agree that the use of EVSE Data in this context shall be at the sole responsibility of the Contracting Party. The Contracting Party shall ensure that its employees and contractors comply with the usage of the EVSE Data.

The Contracting Party obtains the right to use the GIREVE Roaming Platform for the following features:

Feature	Protocol compliance
Get Static Data changes	eMIP: eMIP_ToIOP_GetEVSEStaticDataChanges OCPI-2.1.1: PUT or GET/location
Get Dynamic Data changes	eMIP: eMIP_ToIOP_GetEVSEDynamicDataChanges OCPI-2.1.1: PATCH/location
Get Static and Dynamic Data	eMIP: eMIP_ToIOP_GetEVSEStaticDataFullList OCPI-2.1.1: GET/location

Each ordered licence describes a Level of Solicitation which is the maximum number of requests the Contracting Party can send to the GIREVE Roaming Platform per period of time, as per the following table:

Feature	Level of solicitation: Standard	Level of solicitation: Intermediate	Level of solicitation: Preferred
<u>Get Static Data</u> : Maximum number of requests in Delta-Pull mode	1 request / month	1 request / week	1 request / day
<u>Get Dynamic Data</u> : Maximum number of requests in Delta-Pull mode	1 request / 5 minutes	1 request / 3 minutes	1 request / 1 minute
<u>Get Static and Dynamic Data</u> : Maximum number of requests in Full-List mode	1 request / quarter	1 request / month	1 request / week

2.2. Booking services

2.2.1. Immediate booking of a Charging Point

When the Contracting Party and its Partner has signed a Roaming Agreement which include the possibility for a Client to book a Charging Point of the Contracting Party's Partner before charging, the Contracting Party can (i) send a booking request, (ii) receive a confirmation on a booking, (iii) send a cancellation of a booking, (iv) receive a cancellation on a booking, (v) send an action request regarding a booking, (vi) receive a notification regarding a booking, (vii) send a request for an immediate booking.

The Contracting Party obtains the right to use the GIREVE Roaming Platform for the following features:

Feature	Protocol compliance
Send a booking request	eMIP: eMIP_ToIOP_GetBookingOnPools OCPI 2.1.1: NA*
Receive a booking confirmation	eMIP: eMIP_ToIOP_SetBookingAccept OCPI 2.1.1: NA*
Send a booking cancelation	eMIP: eMIP_ToIOP_SetBookingCancellation OCPI 2.1.1: NA*
Receive a booking cancellation	eMIP: eMIP_FromIOP_SetBookingAbort OCPI 2.1.1: NA*
Send booking action request	eMIP: eMIP_ToIOP_SetBookingActionRequest OCPI 2.1.1: NA*
Receive a notification event	eMIP: eMIP_FromIOP_SetBookingEventReport OCPI 2.1.1: NA*
Send a request for immediate booking	eMIP: eMIP_ToIOP_SetBookingChargingPoolOrEVSE OCPI 2.1.1: NA*

*NA=Not Applicable: this feature is not available in the GIREVE Roaming Platform.

2.3. Charging services

2.3.1. Sending the authentication data of the Clients

When signing a Roaming Agreement, the Contracting Party makes sure that all the End-Drivers belonging to an eMSP Operation are in contract with the same legal entity. A legal entity can be the Contracting Party itself or a legal entity to whom the Contracting Party provides its Access Services. Any legal entity shall be identified by a dedicated eMSP Operation, with its own eMSP Operation code. In some countries, this eMSP Operation identifier is provided by dedicated organisations that are, by local regulation, the only ones authorised to deliver such eMSP Operation identifiers.

The Contracting Party shall provide GIREVE, in a reliable and accurate manner, with the list of its End-Drivers identifiers through the dedicated webservice of OCPI or eMIP Protocol. For the sake of response time of the end-to-end authorization process, the Contracting Party undertakes to keep GIREVE updated with that list at all times.

The End-Drivers identifiers are confidential information of the Contracting Party and subject to article "Confidentiality" of the Agreement. Nevertheless, GIREVE is authorised by the Contracting Party to transfer the End-Drivers identifiers to Contracting Party's Partners if, and only if, the Contracting Party has given its authorisation for such transfer in its Roaming Agreement.

An End-Driver shall be identified by at least, on one hand, the identifier(s) of his/her access media(s) used to identify himself/herself before starting a charging session on an EVSE of a Partner and, on the other hand, the identifier of his/her Access Service (this identifier shall start with the eMSP Operation code).

The Contracting Party shall use the necessary means to ensure that the identifiers are used solely in the context of the Access Services it provides. The Parties agree on the fact that these identifiers are Personal Data and should be managed as such. The Parties undertake to mutually inform each other of any unauthorised or fraudulent use of the identifiers. GIREVE reserves the right to reject any duplicate identifier.

The Contracting Party obtains the right to use the GIREVE Roaming Platform for the following features:

Feature	Protocol compliance
Send authentication data	eMIP: eMIP_ToIOP_SetAuthenticationData OCPI 2.1.1: PUT or PATCH/token

2.3.2. Authentication and authorization of a charging session (Local-RFID & Remote-App)

In order to allow a charging session on a Charging Point, the End-Driver can either identify himself using a local authentication (ie. RFID badge, ISO 15118) or a remote authentication (ie. smartphone, onboard application) provided by the Contracting Party.

In order to authenticate an End-Driver and give the authorisation of charge to its Partner, the Contracting Party can:

- In case of a local authorisation:
 - o Get an authorisation request through the GIREVE Roaming Platform and in return send the approval or refusal to the CPO (synchronous authentication mode).
 - o Let the Partner verify if the End-Driver is registered and authorised to charge in the authentication data shared by the Contracting Party through GIREVE (asynchronous authentication mode).
- In case of a remote authorisation, send the authorisation of charging to CPO Partner through GIREVE.

These authentications methods are described in the Roaming Agreement between the Contracting Party and its Partners.

The Contracting Party obtains the right to use the GIREVE Roaming Platform for the following features:

Feature	Protocol compliance
Receive authorisation request (local authorisation)	eMIP: eMIP_FromIOP_GetServiceAuthorisation OCPI 2.1.1: POST/token/authorize
Send authorisation request (remote authorisation and answer to an authorisation request from a Partner)	eMIP: eMIP_ToIOP_SetServiceAuthorisation OCPI 2.1.1: POST/command/StartSession

2.3.3. Receiving a charge event

During a charging session, the Contracting Party can receive charge events from its Partner to get notified of the progress of a charging session (such as “the charging session has started”, “the charging session is suspended”, “the charging session is about to be terminated” or (the charging session is terminated”). In case the Contracting Party is willing to add additional charge events also agreed by a Partner, it can ask GIREVE to enrich this list of events.

The Contracting Party obtains the right to use the GIREVE Roaming Platform for the following features:

Feature	Protocol compliance
Receive a charge event	eMIP: eMIP_FromIOP_SetSessionEventReport OCPI 2.1.1: NA* In OCPI 2.1.1, the status changes of the session objects are sent to eMSP using PUT or Patch/session

*NA=Not Applicable: this feature is not available in the GIREVE Roaming Platform.

2.3.4. Sending an action request

During a charging session, the Contracting Party may send demands to its CPO Partners for a specific action, including request to suspend, stop or restart a charging session. In case the Contracting Party is willing to add additional charge action requests, it can ask GIREVE to enrich this list of actions.

The Contracting Party obtains the right to use the GIREVE Roaming Platform for the following features:

Feature	Protocol compliance
Send action request	eMIP: eMIP_ToIOP_SetSessionActionRequest OCPI 2.1.1: NA* In OCPI 2.1.1, some action can be sent to CPO using POST/command

*NA=Not Applicable: this feature is not available in the GIREVE Roaming Platform.

2.3.5. Receiving intermediate Charge Detail Records

During a charging session, the Contracting Party can receive regular updates from its Partners on the progress of a charging session using the “intermediate Charge Detail Records” or “iCDR”. An iCDR contains the consumption data details (ie. energy and the duration) since the charging session has started and is sent at a frequency defined in the Roaming Agreement.

The Contracting Party obtains the right to use the GIREVE Roaming Platform for the following features:

Feature	Protocol compliance
Receive intermediate Charge Detail Records / Session	eMIP: eMIP_FromIOP_SetChargeDetailRecord OCPI 2.1.1: PUT or PATCH/session (push) or GET/session (pull)**

2.3.6. Receiving final Charge Detail Records

At the end of a charging session, the Contracting Party's Partner records the data describing the charging session and especially all the consumption data required for the purpose of invoicing the Contracting Party following the Roaming Agreement's tariffs conditions, and at least the duration and the energy provided. The Contracting Party's Partner sends those data to GIREVE, who forwards them to the Contracting Party in a message called "Charge Detail Records" or "CDR".

A CDR is used by the Operators for clearing their transactions generated by their Roaming Agreement. In this regard, a CDR constitutes the evidence of use of the Charging Services by the Contracting Party.

A CDR contains the technical information relative to the effective charging session and, for the Contracting Party's Partners which have enabled it, the indicative price of the charging session that should be invoiced to the Contracting Party. In this event, this indicative price is based on the Roaming Agreement tariffs conditions agreed between the Contracting Party and its Partner. It is the responsibility of the Contracting Party's Partners to send accurate data to the Contracting Party.

CDR are usually sent immediately after the charging session. However, the Contracting Party is informed that some CPO may delay this CDR transmission to the Contracting Party. This delay shall be defined in the Roaming Agreement.

The Contracting Party undertakes to receive CDRs through the GIREVE Roaming Platform once the authentication and authorisation process has been processed through the GIREVE Roaming Platform.

In case of dispute between the Contracting Party and one of its Partners, GIREVE can make available its own computerised records as evidence. Given the role played by GIREVE in the relationship between the Contracting Party and its Partners, GIREVE's computerised records will be deemed to prevail over the other records unless their accuracy is disputed following a GIREVE's Roaming Platform failure. To this end, GIREVE agrees to retain its computer records for a duration of ten (10) years. At the end of this retention period, GIREVE will archive the computerised records.

GIREVE Roaming Platform comply with the transmission of CDR containing signed and encrypted data (Eichrecht).

The Contracting Party obtains the right to use the GIREVE Roaming Platform for the following features

Feature	Protocol compliance
Receive final Charge Detail Records	eMIP: eMIP_FromIOP_SetChargeDetailRecord (push) OCPI 2.1.1: POST/CDR (push) or GET/CDR (pull)

2.3.7. Receiving the B2B tariff of an EVSE

When the Contracting Party has a Roaming Agreement in place with a CPO, the Contracting Party can get the applicable tariffs for charging on the EVSEs either in the Connect Place or by retrieving them through the GIREVE Roaming Platform.

The Contracting Party obtains the right to use the GIREVE Roaming Platform for the following features:

Features	Protocol compliance
Download the B2B tariff of an EVSE	eMIP: NA* OCPI 2.1.1: GET/Tariffs (pull)

*NA=Not Applicable: this feature is not available in the GIREVE Roaming Platform.

2.4. Technical follow-up

2.4.1. GIREVE's Platform service status

GIREVE makes available to the Contracting Party the service status of the GIREVE Roaming Platform and the Connect Place. This information is provided through the Connect Place or a dedicated URL. At any time, the Contracting Party can access this information to know if GIREVE encounters technical incidents and be informed of their resolution status. The Contracting Party can also consult the history of changes made by GIREVE on its Roaming Platform and Digital Platform.

2.4.2. Partners' service status

GIREVE makes available to the Contracting Party the GIREVE's analysis on the IT connections status of the Contracting Party's Partners. This information is the result of the GIREVE's own analysis. It can be used by the Contracting Party to analyse the root causes of an incident faced by the Contracting Party with one of its Partners.

2.4.3. Partner's technical alerts

The service will be described in a next version of this document.

2.4.4. Charge Detail Records quality checks (Connect Place)

GIREVE provides the Contracting Party with an automated set of controls performed by GIREVE in real-time and on each CDR received from the Contracting Party's Partners. It points out CDR anomalies such as missing, incorrect or incomplete information.

There are 3 natures of controls: (i) validity (control of the CDR's data structure compliancy and control of the consistency and plausibility of the CDR's content), (ii) relevancy (detection of the potential charging issues), (iii) billability (ability to calculate the price of the CDR, based on the tariff conditions of the Roaming Agreement).

For each control, there are 4 results: (i) success (the controls are successful), (ii) info (the controls are successful and additional relevant information are provided), (iii) warning (the controls are unsuccessful and additional relevant information are provided. There is no blocking point, but attention of the Contracting Party is advised), (iv) error (the controls are unsuccessful and additional relevant information are provided. There is (are) blocking point(s) and attention of the Contracting Party is required).

Finally, for each control (validity, relevancy and billability), a final result called "Check Result" is provided: if all Check controls are "success" and "info", then the Check Result is OK, otherwise the Check Result is KO.

Results of the quality control are displayed in the Connect Place once GIREVE has received the CDR from the Contracting Party's Partner. The results can also be downloaded in a file containing the results of the quality control and the attributes of the CDR as initially transmitted by the Contracting Party's Partner.

The Contracting Party is responsible for the use of the quality results. Use of this information is at the Contracting Party's own risks. It is the responsibility of the Contracting Party to approach its Partners in case the results are suspicious.

2.4.5. Charge Detail Records quality checks (API)

The service description in the article 2.4.4 applies in the same conditions except the Check Results are sent to the Contracting Party through the GIREVE Roaming Platform, in the form of an API, instead of the Connect Place.

The Contracting Party obtains the right to use the GIREVE Roaming Platform for the following features:

Features	Protocol compliance
Receive the quality control's results	eMIP: eMIP_FromIOP_SetExtendedChargeDetailRecord (push) OCPI 2.1.1: NA

*NA=Not Applicable: this feature is not available in the GIREVE Roaming Platform.

2.5. Messaging

2.5.1. Sending a message to a Partner

The Contracting Party can open conversation threads with any Partner. The Contracting Party has to fill-in the fields describing the conversation topic, its eMSP Operation(s) linked to the conversation and then select the recipient of the messages by choosing the CPO Operation and the profile of the recipient within this CPO Operation (ie. operational, commercial, accounting, technical). Afterwards, the Contracting Party can start a conversation by sending a first message to the Partner.

Conversations and messages are not limited in number and are saved and retained for the Agreement duration. At any time, the Contracting Party can search for previous conversations in the history, filter them by status (ie. Read, unread, archived, flagged) and change this status.

All messages remain confidential between the Contracting Party and the recipients.

2.5.2. Replying to a message received from a Partner

The Contracting Party can receive messages from all its CPO Partners. When a message is sent to an employee of the Contracting Party, he/she is notified in the Connect Place and can also receive an email on its email address linked to its Connect Place account if this feature has been activated. The Contracting Party employee can answer the message in the Connect Place.

All messages remain confidential between the Contracting Party and the recipients.

BOOST! Services: Clearing Services

3.1. Consumption follow-up

3.1.1. Consulting & downloading the charging sessions reports

On its Connect Place account, employees of the Contracting Party can consult the list and detailed information in the CDR it has received from its Partners through the GIREVE Roaming Platform. The CDR are grouped by Partners and can also be filtered by the

date of reception by GIREVE. The Contracting Party have also the possibility to download a spreadsheet containing the raw data of all CDR received in a given period of time.

3.2. Quality control

3.2.1. Charge Detail Records quality checks (Connect Place)

The service is the same as the one described in the article 2.4.4.

3.2.2. Charge Detail Records quality checks (API)

The service is the same as the one described in the article 2.4.5.

3.3. CDR Control and Price calculation

3.3.1. Automated price calculation of Charge Details Records (Connect Place)

GIREVE automatically calculates the price of each CDR based on the tariff's conditions described in the Roaming Agreement between the Contracting Party and its Partners.

GIREVE provides a "Billing Result" describing the price of the charging session and billing errors, if any. The Billing Result is described with the following attributes: (i) status (synthetic result of the billing process: the status can be OK or KO), (ii) recommendation (recommendation to bill the CDR or not), (iii) amount (price excluding taxes), (iv) currency and (v) description (list of errors, if any).

Price of the charging sessions linked to a CDR with errors (at least one Check Result is « KO ») are not calculated until the Contracting Party's Partner rectifies and sends a new compliant CDR. If the CDR does not fulfil the conditions above, it is up to the Contracting Party to get in contact with its Partner and it is up to the Contracting Party's Partner to fix the errors and send a compliant CDR back to GIREVE.

Results of the price calculation are displayed in the Connect Place once GIREVE has received the CDR from the Contracting Party's Partner. The results can also be downloaded in a file containing the results of the price calculation and the attributes of the CDR as initially transmitted by the Contracting Party's Partner.

The Contracting Party is responsible for the use of the price calculation. Use of this information is at the Contracting Party's own risks. It is the responsibility of the Contracting Party to take the necessary measures with its Partners in case the results are suspicious. GIREVE will inform the Contracting Party if Roaming Agreements do not comply with the management of tariff structure, currency and rounding of the GIREVE Roaming Platform.

3.3.2. Automated price calculation of Charge Details Records (API)

The service description in the article 3.3.1 applies in the same conditions except the Billing Results are sent to the Contracting Party through the GIREVE Roaming Platform, in the form of an API, instead of the Connect Place.

The Contracting Party obtains the right to use the GIREVE Roaming Platform for the following features:

Features	Protocol compliance
Receive the Billing Results through an Extended CDR	eMIP: eMIP_FromIOP_SetExtendedChargeDetailRecord (push) OCPI 2.1.1: NA
Receive the price and currency of a CDR through an Improved CDR	eMIP: NA OCPI 2.1.1: POST/CDR (push) or GET/CDR (pull)

*NA=Not Applicable: this feature is not available in the GIREVE Roaming Platform.

The Improved CDR is available for the Contracting Party connected to the GIREVE Roaming Platform through OCPI Protocol and is based on the CDR module of the OCPI Protocol. The CDR module is used by the Contracting Party's Partners to send the consumption details of the charging sessions. Some Contracting Party's Partners may include the price and currency in the CDRs, and other not. It then the responsibility of the Contracting Party to decide for which CDRs GIREVE shall provide the "amount" and "currency" of its Billing Results:

- Setting 1 (recommended): when the Contracting Party retrieves the CDR from the GIREVE Roaming Platform, price and currency fields of the CDR are all filled with the amount and currency of the Billing Results. Only one CDR per charging session is sent.
- Setting 2: when the Contracting Party retrieves the CDR from the GIREVE Roaming Platform, price and currency fields of the CDR are filled by the amount and currency of the Billing Results, only if the fields were not previously filled by the Contracting Party's Partner. Only one CDR per charging session is sent.
- Setting 3: when the Contracting Party retrieves the CDR from the GIREVE Roaming Platform, the Contracting Party receives two CDRs: one CDR is not modified by GIREVE (price and currency fields of the CDR will be filled with the data provided by the Partner), and one CDR is modified by GIREVE (price and currency fields of the CDR are filled with the amount and currency of the Billing Result).

3.4. Dispute & invoicing notification

3.4.1. Sending a dispute to a CPO Partner

CDRs are used by the Operators for invoicing their transactions generated from their Roaming Agreement. Disputing a CDR allows the Contracting Party to notify its disagreement on a CDR content before the session is invoiced by the Contracting Party's Partner. By disputing a CDR, the Contracting Party informs its Partner that it is not willing to accept the CDR "as is" and will not accept to pay the Partner's invoice that will be issued for the charging session linked to a disputed CDR.

As per article "Receiving final Charge Detail Records", the Contracting Party receives a CDR from its Partner through the GIREVE Roaming Platform once a charging session is completed. Starting from the date of CDR reception, the Contracting Party can inform its Partner of its disagreement on the CDR content within a deadline defined between the Contracting Party and its Partner in their Roaming Agreement. Once this deadline has expired, the CDR is deemed to be accepted by the Contracting Party and can be invoiced by the Contracting Party's Partner.

In order to dispute a CDR, the Contracting Party selects the corresponding CDR, fills in the CDR's attributes values object of the dispute (ie. energy, duration, start or end date, price, EVSE Id) and adds a written comment before sending the dispute to its Partner.

Starting from the date of dispute, the Partner is required to answer the Contracting Party within a given deadline defined in the Roaming Agreement. Before this deadline, the Partner can inform the Contracting Party of its decision to (i) not invoice the CDR (the CDR will not be taken into account in the invoice), (ii) invoice the CDR anyway (the CDR will be taken into account in the invoice), (iii) send a new CDR which will replace the previous one, (iv) invoice the CDR at no charge (the CDR will be taken into account in the invoice with no price), (v) open a discussion with the Contracting Party in case further investigation are required with the support of the Contracting Party. In this case the deadline is suspended.

If the Partner sends a new CDR, the Contracting Party gets an additional deadline to dispute the new CDR as agreed in the Roaming Agreement.

3.4.2. Receiving invoicing intention from a CPO Partner

In its Connect Place accounts, the Contracting Party can consult all the CDRs it has received from its Partners through the GIREVE Roaming Platform. For each of them, the Partner can notify the Contracting Party with its invoicing intention by modifying the CDR's status in the GIREVE Digital Portal. By default, each CDR has a status "to be invoiced by the Partner". The Partner can modify this status with the following: (i) not to be invoiced (the CDR will not be taken into account in the Partner's invoice), (ii) to be invoiced at no charge (the CDR will be taken into account in the invoice with no price). The invoicing intention can be set by the Partner (i) at any time during the period given to the Contracting Party to dispute a CDR, if the Contracting Party has not disputed the CDR yet, (ii) before the deadline of the dispute, if the Contracting Party has already disputed the session linked to the corresponding CDR.

3.5. Invoices

3.5.1. Receiving invoices from CPO Partners

The service will be described in a next version of this document.

3.6. Messaging

3.6.1. Sending a message to a Partner

The service is the same as the one described in the article 2.5.1.

3.6.2. Replying a message received from a Partner

The service is the same as the one described in the article 2.5.2.