



RMC V4.2
RMC MMI User Guide

SOMMAIRE

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1. Introduction

1.1 Purpose of the document

This document is intended for partners with which RTE will be electronically sharing data using the download and upload MMIs

The document sets out the settings and configurations required for this data sharing – whether RTE is sharing data with a partner, or the partner is sharing data with RTE.

1.2 Required network configuration

The partner must have a high-speed connection to access the Internet.

Sharing data involves establishing a connection between one of RTE's front office devices (RTE's infrastructure for accessing data externally), and a device belonging to the partner.

RTE is unable to guarantee that the connection can be effectively established, nor that data can be properly transmitted over the partner's network or over the Internet. It is noted that the method used for this data sharing is based on a connection being established between two IT systems. It is therefore possible to immediately detect whether such sharing might be impossible – irrespective of the reason. The sender can therefore decide on whatever measures they deem necessary.

Note: RTE's IT system enjoys a high level of availability. This applies to accessing the Internet, and to the devices used for data sharing.

2. Uploading

Once they have been identified and authenticated, RTE partners can use this macro function to save one or several files to an RTE application.

It can be accessed from the following URLs:

- Production: <https://portail.iservices.rte-france.com/RmcVisu/SendMessages.do>
- Pre-production: <https://portail-dev.iservices.rte-france.com/RmcVisu/SendMessages.do>

2.1 List of form fields



The mock-up shows a web interface for RTE. At the top, there's a header with the RTE logo and the text 'Réseau de transport d'électricité'. Below the header, a status bar displays 'TEST RMC02 TESTDEFO, MERCREDI 5 JUILLET 2017'. The main content area is titled 'Destination :'. It contains a label 'Choix de l'application destinatrice : *' followed by a dropdown menu with 'Sélectionner...' and a downward arrow. Below this is a label 'Code du flux :' followed by a text input field. A section titled 'Joindre un fichier' contains a warning message: 'Cliquer sur « Parcourir » pour sélectionner un fichier. La taille du fichier joint ne doit pas dépasser : 50 Mo'. Below the warning is a red asterisk followed by a button 'Choisissez un fichier' and the text 'Aucun fichier choisi'. At the bottom right of the form is an 'Envoyer' button. The footer of the page reads 'RTE Gestionnaire du Réseau de Transport d'Electricité' and '© RTE 2009'.

Figure 1: Mock-up of the "Send files to an RTE application" screen

Field name	Format	Size	Required	Modifiable	Default value
"Send files to an RTE application" screen					
Window title	Text	/	/	No	"RMC – Send files to an RTE application"
Title	Text	/	/	No	Destination
Warning message	Text	/	/	No	
Successful completion confirmation message	Text	/	/	No	/
Error message	Text	/	/	No	/

Field name	Format	Size	Required	Modifiable	Default value
"Destination:" table					
"Select destination application:"	Drop-down list	/	Yes	No	"Select"
"Feed code:"	Text	/	Yes	No	/
"Attach files" table					
/	Text	/	Yes	No	TEL_MSG_INF_00
"Upload files" – Prompt	Prompt to select a file (text field + "Browse" button)	25	/	Yes	/
"Upload files" – Send	Button	/	/	No	/

2.2 Kinematics

2.2.1 Prerequisites

The user needs to have been authenticated and must have the requisite authorisations. If they do not have the requisite authorisations, they are redirected to the error page.

2.2.2 Display of the "Send files to an RTE application" screen

When the user arrives at the *"Send files to an RTE application"* screen.

Application selection:

- The user selects an application from the list of destination applications

Feed code selection:

- The user enters a valid feed code

Attach one or several files:

- The user attaches one or several files that they want to send

Send one or several files:

- The user clicks on "Send" to start loading the files to RMC. When this button is clicked, a (pop-up) message is displayed, prompting the user to confirm the sending of the files (without the option to cancel).
- The following checks are then performed:
 - The feed code entered is checked
 - A file needs to have been attached by the user
 - The size of the file attached is checked (30 MB maximum)
- Once "Send" has been clicked, a new page informs the user that the files have been sent



2.2.3 List of messages

Identifier	Message text
TEL_MSG_INF_00	Click "Browse" to attach one or several files. Each of the files attached should be no more than: 30 MB
TEL_MSG_INF_01	You must select a destination application.
TEL_MSG_INF_02	The feed code has not been entered, even though the application has several incoming feeds. Please enter a feed code.
TEL_MSG_INF_03	At least one file must be attached.
TEL_MSG_INF_04	The files have been correctly loaded.
TEL_MSG_INF_05	A problem has occurred: the files have not been correctly loaded.
TEL_MSG_ERR_01	You are not authorised to use the application {0} {0} is the code for the application for sending files to RTE
TEL_MSG_ERR_02	A technical problem has occurred
TEL_MSG_ERR_03	The feed code entered is incorrect.
TEL_MSG_ERR_04	File {0} is larger than the maximum authorised size, {0} the name of the excessively large attached file



3. Downloading

An RTE partner can use this macro function to be notified of the availability of new files, and then download them via an MMI or an API exposure.

The module performs the following functions:

- Notification by email of new available messages,
- Display and download of files from RTE applications via an MMI,
- Search and download of files from RTE applications by an API.

3.1 Notification by email of new available files

3.1.1 Structure of the email

3.1.1.1 Title

3.1.1.1.1 Example when notifying availability of a single file

[RTE]<APPLICATION CODE><FEED CODE> File name <Free text>

The <...> tags will be dynamically filled in when the email is sent with the following values:

- <APPLICATION CODE>: application code,
- <FEED CODE>: feed code
- <Free text>: free text configured in a configuration file

3.1.1.1.2 Example when notifying availability of several files

[RTE]<APPLICATION CODE><FEED CODE>New files available <Free text>

The <...> tags will be dynamically filled in when the email is sent with the following values:

- <APPLICATION CODE>: application code,
- <FEED CODE>: feed code
- <Free text>: free text configured in a configuration file

3.1.1.2 Body of the email

RTE has posted a file to the RMC service.

You may download it from the following address:

<download URL>

It will be available for 30 days starting when this message is received.



3.2 Displaying downloadable files

Users may use the download MMI to retrieve available files simply by downloading them via a browser.

It can be accessed from the following URLs:

- Production: <https://portail.iservices.rte-france.com/RmcTelechargement/>
- Pre-production: <https://portail-dev.iservices.rte-france.com/RmcTelechargement/>

The screenshot shows the 'RMC - Téléchargement' interface. At the top, there's a header with the Rte logo and 'Test RMC02 | TESTdFO'. Below it, a blue bar contains 'RMC - Téléchargement'. The main area is titled 'Fichiers téléchargeables'. It features a filter section with 'Application: Toutes', 'Code Flux: Tous', 'Début de l'intervalle de réception: 28/09/2016', 'Fin de l'intervalle de réception: 29/09/2017', and 'Statut: ARCHIVE'. A 'Filtrer' button is on the right. Below the filters, a table displays 11 elements. The table has columns: Application, Code Flux, Date d'arrivée, Nom du fichier, and Statut. The data rows show various applications (R1-F-HTTP, R1-F-MAIL-Z, R1-F-HTTP, R1-F-MAIL, R1-J-MAIL, R1-J-HTTP) and their corresponding file names and statuses (Archive).

3.2.1 List of fields on the download screen

Field name	Format	Size	Required	Modifiable	Default value
"List of downloadable files" screen					
Window title	Text	/	/	No	"RMC – Downloading"
Title of page	Text	/	/	No	"Downloadable files"
Print	Icon with link	/	/	No	/
Warning message if no message sent with automatic filter	Text	/	/	No	
Warning message if no message sent with automatic filter and user filter	Text	/	/	No	
Error message on the sent messages filter	Text	/	/	No	/
Message filter form					
"Application"	Drop-down list	/	Yes	No	
"Feed Code"	Drop-down list	/	Yes	No	

"Start of the reception interval"	DATE	/	/	Yes	
"Start of the reception interval schedule"	Icon with link	/	/	Yes	/
"End of the reception interval"	DATE	/	/	Yes	
"End of the reception interval schedule"	Icon with link	/	/	Yes	/
"Status"	Drop-down list	/	/	Yes	
"Filter"	Button	/	/	No	/
Table of messages sent					
"Application" column					
"Application"	Text	/	/	No	/
"Feed Code" column					
"Feed Code"	Text	/	/	No	/
"Message arrival" column					
"Arrival date"	Text (dd/mm/yyyy hh:mm:ss)	/	/	No	/
"Available file(s)" column					
"File name"	Text With link	/	/	No	/
"Status" column					
"Status"	Text	/	/	No	/

3.2.2 Kinematics

3.2.2.1 Prerequisites

The user needs to have been authenticated and must have the requisite authorisations. If they do not have the requisite authorisations, they are redirected to the error page.

The user accesses the function from the "RMC Download" site's default URL.

3.2.2.2 Display of the "List of downloadable items" screen

When the user arrives at the "List of downloadable items" screen, the system looks for messages which correspond to the filters.

If no items are found, a corresponding information message is displayed.

Otherwise, the filter criteria form is initialised and the table of items is displayed with the results of the automatic filters.



The user can restrict the current display by entering filter criteria and then clicking on the "Filter" button.

If information entered is valid,

If no files are found, a corresponding information message is displayed.

Otherwise, the table of downloadable files is refreshed based on the user filters entered.

In the event of an error, a corresponding message is displayed.

The user can use several criteria to sort the results of their search.

User can browse through the list of files to download.

The user downloads a file by clicking on its name. If the file's status was "new", it then switches to "archive". This user action is logged.

The user can print out the screen displayed by clicking on the Print icon.

3.2.2.3 List of messages

Identifier	Error message text
TLC_MSG_ERR_01	You are not authorised to use RMC Download.
TLC_MSG_ERR_02	The start date format is incorrect.
TLC_MSG_ERR_03	The end date format is incorrect.
TLC_MSG_ERR_04	The start date must be the same as or earlier than the end date.
TLC_MSG_INF_01	No message for the current search criteria.

4. Appendices

4.1 Glossary

Name	Definition
Channel	A channel is the technical communications path used by RMC. It is used to communicate externally (outgoing channel) or to applications making up RTE's IT system (incoming channel).
Email channel	Channel which involves sending an email with an attachment. Used for sending documents to external users
HTTPS channel	Channel which involves sending a file as an attachment with a POST request. Used for sending documents to external users
EIC	Energy Identification Code. European codification system used by all Front Office application repositories.
Certificate	Electronic document, issued by a certification authority, which is used to guarantee, depending on the situation: <ul style="list-style-type: none"> • The source of information – its authenticity – by an electronic signature mechanism. • The identity of the user, authenticated by the certificate that they present.
HTTP	Hypertext Transfer Protocol Client-server communications protocol developed for the Internet.
HTTPS	Hypertext Transfer Protocol over SSL. Secure adaptation of the HTTP protocol. HTTPS communication is HTTP communication over a TLS connection (formerly, SSL).
SMTP	Simple Mail Transfer Protocol. Communications protocol based on TCP/IP used to send email – particularly over the Internet. The SMTP protocol is used to transfer electronic mail to messaging servers: from an email client to a server, or from a server to another server.
XML	eXtensible Markup Language. Standard generalised format used by RMC for the JMS communications and for updating the channels.
XML Schema (or XSD)	XML Schema Description. XSD is a language for describing XML document formats used to define the structure of an XML document.