

MTAS Explicit Communication Transfer Management Guide

MTAS

USER GUIDE

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1 Introduction

This document describes how to configure the Explicit Communication Transfer (ECT) service in the MTAS.

1.1 Prerequisites

It is assumed that the user of this document is familiar with the O&M area, in general.

1.1.1 Licenses

To enable the ECT service, the MMTel AS Voice Base license must be installed.

For more information about the MMTel AS Voice Base license, refer to [MTAS Licenses](#).

1.1.2 Documents

Before starting any procedure in this document, ensure that the following documents are available:

- Ericsson Command-Line Interface User Guide
- Managed Object Model (MOM)
- MTAS Performance Measurements

1.1.3 Conditions

The following condition must apply:

- An Ericsson Command-Line Interface (ECLI) session in Exec mode is in progress.





2 Overview

This document describes the basic ECT service that the MTAS offers to its subscribers.

The ECT service enables two existing sessions of a user (transferor) to be connected while the user leaves the conversation. Three subscriber roles are differentiated in ECT: transferor, transferee, and transfer target. After transfer, the transferee and the transfer target are in communication with each other and the transferor leaves the communication.

For ECT-sequence, refer to [3GPP 24.629](#).

Although the ECT service is provisioned and activated for the transferor, an ECT session establishment attempt can be suppressed by the FSFS service, see Section 2.2.1 Flexible Service Format Selection on page 4 for the details of service interaction.

For more information about the FSFS service, refer to [MTAS Flexible Service Format Selection Management Guide](#).

2.1 Subfunctions

2.1.1 ECT Policies

The ECT policies are static, which means they do not change between ECT invocations, or change during a transferred session.

The policies enforced by the ECT service are as follows:

- An ECT can be initiated by a user who is already involved in two separate sessions with two users that the user wants to bring into a new session.
- If the communication transfer is successful, the user who initiated the transfer is removed from the two original sessions that are connected by the ECT service.
- The ECT service enforces that the transferred session has only media types that were present in both original sessions.

2.2 Interaction with Other Services

This section describes the ECT interaction with other services.



2.2.1 Flexible Service Format Selection

The ECT service can be suppressed by the FSFS service. When either the transferee session or the transfer target session is indicated by the FSFS service to be suppressed from connecting with any dialog initiated by the ECT service, the transferor is not able to initiate the ECT service. The ECT service invocation attempt is responded with 403 Forbidden, containing the warning header “The service is suppressed”.

For more information about the FSFS service, refer to [MTAS Flexible Service Format Selection Management Guide](#).

2.2.2 Supplementary Service Codes

The Check Status of Transferred Session and Termination of Transferred Sessions services are initiated using the SSC.

For more information about the SSC, refer to [MTAS Supplementary Service Codes Management Guide](#).

2.2.3 Conference

It is not possible to start ECT if one or both of the sessions to be transferred are participating in an Ad-hoc.

For more information about the conference service, refer to [MTAS Ad-hoc Conference Management Guide](#).



3 ECT Configuration

The ECT service is controlled by the **MtasEct** Managed Object (MO). An overview of the ECT MO structure is shown in Figure 1.

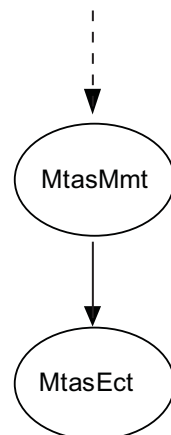


Figure 1 ECT MO Structure

For information on configurable MOs and attributes, related to the ECT services, refer to **Managed Object Model (MOM)**.

3.1 ECT Administrative State Configuration

The ECT service is enabled by setting the `mtasEctAdministrativeState` attribute in the **MtasEct** MO to **1** (Unlocked). If the `mtasEctAdministrativeState` is set to **0** (Locked), no ECT service is provided by the MTAS.

3.2 Wholesale for ECT Configuration

The ECT service supports Wholesale. ECT is configurable on Virtual Telephony Provider level.

Wholesale for ECT is activated when the following attributes are set to **1** (Unlocked):

- The `vtasEctAdministrativeState` attribute in the **VtasEct** MO.
- The `mtasEctAdministrativeState` attribute in the **MtasEct** MO.

For more information about the Wholesale service, refer to **MTAS Wholesale Support Management Guide**.



3.3 Service Data Configuration

This section describes how to configure the service data.

3.3.1 Operator Subscription Level Service Configuration

In the ECT configuration data for a subscriber the operator indicates whether the subscriber is allowed to initiate ECT through the CAI3G protocol, refer to **MTAS CAI3G Interface**.

3.3.2 Subscriber Subscription Level Service Configuration

No service data for the ECT service is configured in the subscriber part of the subscriber data.



4 Performance Management

The following Performance Management (PM) counters are used by ECT:

- MtasEctInitN0kE
- MtasEctInitN0kI
- MtasEctInit0k

For measurements related to the ECT service, refer to MTAS Performance Measurements.





5 Fault Management

For alarms, related to the ECT service, refer to MTAS Alarm List.