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SERIES H: AUDIOVISUAL AND MULTIMEDIA SYSTEMS  
Infrastructure of audiovisual services – Communication  
procedures

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**Gateway control protocol: Event timestamp  
notification package**

ITU-T Recommendation H.248.59



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## **ITU-T Recommendation H.248.59**

### **Gateway control protocol: Event timestamp notification package**

#### **Summary**

ITU-T Recommendation H.248.59 contains a H.248 package that provides means for determining whether or not a media gateway supports the use of timestamps with the event detection time at event notification, and allows the media gateway controller to request that timestamps be or not be reported together with event notifications, if this feature is supported by the media gateway.

#### **Source**

ITU-T Recommendation H.248.59 was approved on 29 August 2007 by ITU-T Study Group 16 (2005-2008) under the ITU-T Recommendation A.8 procedure.

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# ITU-T Recommendation H.248.59

## Gateway control protocol: Event timestamp notification package

### 1 Scope

This package is to provide a means of determining whether or not a media gateway supports the use of timestamps with the event detection time at event notification. If timestamps are supported, it allows the media gateway controller to request that timestamps be or not be reported with an event notification. This package is useful for control associations where profiles are not used to specify whether or not a media gateway supports the notification of event timestamp.

### 2 Reference

The following ITU-T Recommendations and other references contain provisions which, through reference in this text, constitute provisions of this Recommendation. At the time of publication, the editions indicated were valid. All Recommendations and other references are subject to revision; users of this Recommendation are therefore encouraged to investigate the possibility of applying the most recent edition of the Recommendations and other references listed below. A list of the currently valid ITU-T Recommendations is regularly published. The reference to a document within this Recommendation does not give it, as a stand-alone document, the status of a Recommendation.

[ITU-T H.248.1] ITU-T Recommendation H.248.1 (2005), *Gateway control protocol: Version 3*.

### 3 Definitions

#### 3.1 Terms defined elsewhere

*None.*

#### 3.2 Terms defined in this Recommendation

*None.*

### 4 Abbreviations and acronyms

This Recommendation uses the following abbreviations and acronyms:

MG Media Gateway

MGC Media Gateway Controller

### 5 Conventions

*None.*

### 6 Event timestamp notification package

Package name: Event timestamp notification

PackageID: etn (0x00cc)

Description: This package contains a property which allows the MGC to determine or set whether or not a MG uses timestamps containing the detection time of an event in the notification of the detection of an event.

Version: 1

Extends: None

## 6.1 Properties

### 6.1.1 Request timestamp

Property name: Request timestamp

PropertyID: rt (0x0001)

Description: This root-only property indicates whether or not the timestamp associated with event detection is included in a notify message.

Type: Enumeration

Possible values: "requested" The timestamp is requested (i.e., included).  
"suppressed" The timestamp is suppressed (i.e., excluded).  
"autonomous" Determined by the MG itself.

Default: "autonomous"

Defined in: TerminationState

Characteristics: Read/write

## 6.2 Events

None.

## 6.3 Signals

None.

## 6.4 Statistics

None.

## 6.5 Error Codes

None.

## 6.6 Procedures

### 6.6.1 Event timestamp capability determination

To determine whether a MG supports the sending of event detection timestamps in notify command requests, the MGC shall send an AuditCapabilities command request with an individual audit of the *etn/rt* property. If the MG does not support timestamps, it shall return "suppressed" as the only value. If the MG always sends timestamps, it shall return "requested" as the only value. If it is the MG that determines whether or not a timestamp is sent, then it shall return "autonomous" as the only value. If the MG supports either option (e.g., it is settable by the MGC), then it shall return all supported options as values. If the MG cannot support any option, then it shall return empty.

### 6.6.2 Event timestamp notification setting

If a MGC requires that event detection timestamps are included for all notify command requests, then it shall set the *etn/rt* property to "requested" via a modify command request.

If a MGC requires that event detection timestamps are excluded for all NOTIFY.reqs, then it shall set the *etn/rt* property to "suppressed" via a modify command request.

If a MGC does not care if event detection timestamps are included or excluded, then it shall set the *etn/rt* property to "*autonomous*" via a modify command request.

If a MG cannot provide a timestamp for the event requested through an add, move or modify command request, it shall respond with error code 543 "MGC requested event detection timestamp not supported".





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