

EGNOS SERVICE NOTICE

Number: 018

Version: 1.0

To: EDAS Users
Date: 19/07/2018
Subject: EDAS Ntrip Service evolution: support to HTTP-based communication

The EDAS Ntrip Service provides access to the GNSS measurements (in RTCM 2.1, 2.3 and 3.1 formats) coming from the EGNOS stations through the Ntrip protocol in real-time, including differential GNSS corrections (RTCM 2.1, 2.3) and phase measurements as well as additional messages for Real-Time Kinematic (RTK) positioning (RTCM 3.1). For a more detailed description of the EDAS Ntrip Service, please refer to the [EDAS Service Definition Document](#).

Following the deployment of a new EDAS release, as of 17th July 2018, the EDAS Ntrip Service supports all the Ntrip protocol options: Ntrip v1.0 and Ntrip v2.0 over HTTP and over RTSP/RTP (RTSP, Real Time Streaming Protocol, for stream control and RTP, Real Time Transport Protocol, for data transport).

The EDAS Ntrip Service evolution is reflected in the following table:

Ntrip Protocol	Protocol options supported until 16 th July 2018	Protocol options supported from 17 th July 2018	GNSS data formats
Ntrip v1.0	-	HTTP	RTCM 2.1, 2.3, 3.1
Ntrip v2.0	RTSP/RTP	HTTP, RTSP/RTP	RTCM 2.1, 2.3, 3.1

It is important to remark that this process is seamless from EDAS user's point of view. Therefore, from 17th July 2018 onwards, the EDAS Ntrip Service detects requests from registered users in the different protocol versions/options and reacts accordingly (i.e. as per the corresponding version and option) for connections request management and GNSS data transmission.

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REFERENCES

- Ntrip v1.0 standard: RTCM 10410.0 (RTCM Paper 200-2004/SC104-STD, Version 1.0), with Amendment 1, Standard for Networked Transport of RTCM via Internet Protocol (Ntrip).
- Ntrip v2.0 standard: RTCM 10410.1 Standard for Networked Transport of RTCM via Internet Protocol (Ntrip), Version 2.0 with Amendment 1, June 28, 2011.

CONTACT US

Should you have any question related to this Service Notice or EGNOS, please, contact egnos-helpdesk@essp-sas.eu or +34 911 236 555 (H24/7)

For more information about EGNOS, please, visit the EGNOS User Support website at <https://egnos-user-support.essp-sas.eu>

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