

## 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

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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 17<sup>th</sup> 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 <sup>th</sup> July 2018	Protocol options supported from 17 <sup>th</sup> 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 17<sup>th</sup> 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](mailto: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>