



NATO Summit in Madrid 28 - 30 June 2022

Technical Advisory for the Media

SATELLITE COORDINATES FOR FREE LIVE VIDEO FROM 2022 NATO SUMMIT IN MADRID

TRANSMISSION DETAILS FOR NORTH AMERICA, EUROPE and ASIA

NATO, in partnership with the Host TV, is offering free access to video of the key events from the NATO Summit in Madrid. Live feeds as well as recorded material will be available from all Summit public events. Please see the latest programme here: https://www.nato.int/cps/en/natohq/events_196720.htm

NATO is making the video and audio available for news and public affairs purposes via satellite, Overon world feeds and locally in the Media Centre.

There is NO DOWNLINK CHARGE. There is NO ENCRYPTION.

Transmissions will be extended or modified as events warrant.

Satellite distribution for all HOST TV events from the NATO Summit are planned for the same coordinates, as follows:

Host TV Pool Date & Times:

Current Host TV times to Satellite are as follows.

Please note these times may change slightly if the programme changes.

Host TV Pool Feed 1 – SATELLITE DETAILS

Host TV Pool Feed 1

- Monday 27th June 2022, test 14:00 – 15:00 GMT
- Tuesday 28th June 2022; 09:45 – 20:00 GMT
- Wednesday 29th June 2022; 06:00-20:30 GMT
- Thursday 30th June 2022; 06:00-17:00 GMT

Satellite Eutelsat 10A 10 deg East (MAIN)

Satellite	Eutelsat 10A 10 deg East
Bandwidth	9 MHz
Downlink frequency	11499.41 MHz POL.H
Parameters	DVBS2 8PSK 7.200 Ms/s FEC 3/4, Pilot:On Roll-off 0.25 (MPEG4/H.264 420) Data Rate 15,678
Video standard	HD 1080i 50Hz 16:9
Audio 1	INTERNATIONAL
Audio 2	ENGLISH
Audio 3	FRENCH
Audio 4	SPANISH
Audio 5	UKRANIAN

Satellite Eutelsat 7B 7 deg East (BACK-UP)

Satellite	Eutelsat 7BA 7 deg East
Bandwidth	9 MHz
Downlink frequency	12726.83 MHz POL.V
Parameters	DVBS2 8PSK 7.200 Ms/s FEC 3/4, Pilot:On Roll-off 0.25 (MPEG4/H.264 420) Data Rate 15,678
Video standard	HD 1080i 50Hz 16:9
Audio 1	INTERNATIONAL
Audio 2	ENGLISH
Audio 3	FRENCH
Audio 4	SPANISH

Audio 5	UKRANIAN
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Satellite Asiasat 5 100.5 deg East (MAIN)

Satellite	Asiasat 5 100.5 deg East
Bandwidth	9 MHz
Downlink frequency	3866.5 MHz POL. H
Parameters	DVBS2 8PSK 7.200 Ms/s FEC 3/4, Pilot:On Roll-off 0.25 (MPEG4/H.264 420) Data Rate 15,678
Video standard	HD 1080i 50Hz 16:9
Audio 1	INTERNATIONAL
Audio 2	ENGLISH
Audio 3	FRENCH
Audio 4	SPANISH
Audio 5	UKRANIAN

Satellite Apstar 7 76.5 deg East (BACK UP)

Satellite	Satellite Apstar 7 76.5 deg East
Bandwidth	9 MHz
Downlink frequency	4173.5 MHz POL. H
Parameters	DVBS2 8PSK 7.200 Ms/s FEC 3/4, Pilot:On Roll-off 0.25 (MPEG4/H.264 420) Data Rate 15,678
Video standard	HD 1080i 50Hz 16:9
Audio 1	INTERNATIONAL
Audio 2	ENGLISH

Audio 3	FRENCH
Audio 4	SPANISH
Audio 5	UKRANIAN

Satellite SES-14 47.5 W

Satellite	SES-14 47.5 deg West
Bandwidth	9 MHz
Downlink frequency	4121.5 MHz POL.L
Parameters	DVBS2 8PSK 7.200 Ms/s FEC 3/4, Pilot:On Roll-off 0.25 (MPEG4/H.264 420) Data Rate 15,678
Video standard	HD 1080i 59.9Hz 16:9
Audio 1	INTERNATIONAL
Audio 2	ENGLISH
Audio 3	FRENCH
Audio 4	SPANISH
Audio 5	UKRANIAN

Satellite INTELSAT-11 43°W

Satellite	INTELSAT 11 43 deg West
Bandwidth	9 MHz
Downlink frequency	3957.5 MHz POL.H
Parameters	DVBS2 8PSK 7.200 Ms/s FEC 3/4, Pilot:On Roll-off 0.25 (MPEG4/H.264 420) Data Rate 15,678
Video standard	HD 1080i 59.9Hz 16:9

Audio 1	INTERNATIONAL
Audio 2	ENGLISH
Audio 3	FRENCH
Audio 4	SPANISH
Audio 5	UKRANIAN

Host TV Pool Feed 2 – SATELLITE DETAILS

Host TV Pool Feed 2

- Monday 27th June 2022; 14:00-15:00 GMT
- Tuesday 28th June 2022; 11:00-19:00 GMT
- Wednesday 29th June 2022; 06:00-15:30 GMT
- Thursday 30th June 2022; 06:00-17:00 GMT

Satellite Eutelsat 10A 10 deg East (MAIN)

Satellite	Eutelsat 10A 10 deg East
Bandwidth	9 MHz
Downlink frequency	11508.41 MHz POL.H
Parameters	DVBS2 8PSK 7.200 Ms/s FEC 3/4, Pilot:On Roll-off 0.25 (MPEG4/H.264 420) Data Rate 15,678
Video standard	HD 1080i 50Hz 16:9
Audio 1	INTERNATIONAL
Audio 2	ENGLISH
Audio 3	FRENCH
Audio 4	SPANISH
Audio 5	UKRANIAN

Satellite Eutelsat 7B 7 deg East (BACK-UP)

Satellite	Eutelsat 7BA 7 deg East
Bandwidth	9 MHz
Downlink frequency	27 th and 28 th of June: 11126.83 MHz POL.V 29 th and 30 th of June: 11135.83 MHz POL.V
Parameters	DVBS2 8PSK 7.200 Ms/s FEC 3/4, Pilot:On Roll-off 0.25 (MPEG4/H.264 420) Data Rate 15,678
Video standard	HD 1080i 50Hz 16:9
Audio 1	INTERNATIONAL
Audio 2	ENGLISH
Audio 3	FRENCH
Audio 4	SPANISH
Audio 5	UKRANIAN

Satellite Asiasat 5 100.5 deg East (MAIN)

Satellite	Asiasat 5 100.5 deg East
Bandwidth	9 MHz
Downlink frequency	3875.5 MHz POL. H
Parameters	DVBS2 8PSK 7.200 Ms/s FEC 3/4, Pilot:On Roll-off 0.25 (MPEG4/H.264 420) Data Rate 15,678
Video standard	HD 1080i 50Hz 16:9
Audio 1	INTERNATIONAL
Audio 2	ENGLISH
Audio 3	FRENCH
Audio 4	SPANISH

Audio 5	UKRANIAN
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Satellite Apstar 7 76.5 deg East (BACK UP)

Satellite	Satellite Apstar 7 76.5 deg East
Bandwidth	9 MHz
Downlink frequency	4146.5 MHz POL. H
Parameters	DVBS2 8PSK 7.200 Ms/s FEC 3/4, Pilot:On Roll-off 0.25 (MPEG4/H.264 420) Data Rate 15,678
Video standard	HD 1080i 50Hz 16:9
Audio 1	INTERNATIONAL
Audio 2	ENGLISH
Audio 3	FRENCH
Audio 4	SPANISH
Audio 5	UKRANIAN

Satellite SES-14 47.5 W

Satellite	SES-14 47.5 deg West
Bandwidth	9 MHz
Downlink frequency	4130.5 MHz POL.L
Parameters	DVBS2 8PSK 7.200 Ms/s FEC 3/4, Pilot:On Roll-off 0.25 (MPEG4/H.264 420) Data Rate 15,678
Video standard	HD 1080i 59.9Hz 16:9
Audio 1	INTERNATIONAL
Audio 2	ENGLISH

Audio 3	FRENCH
Audio 4	SPANISH
Audio 5	UKRANIAN

Satellite INTELSAT-11 43°W

Satellite	INTELSAT 11 43 deg West
Bandwidth	9 MHz
Downlink frequency	3966.5 MHz POL.H
Parameters	DVBS2 8PSK 7.200 Ms/s FEC 3/4, Pilot:On Roll-off 0.25 (MPEG4/H.264 420) Data Rate 15,678
Video standard	HD 1080i 59.9Hz 16:9
Audio 1	INTERNATIONAL
Audio 2	ENGLISH
Audio 3	FRENCH
Audio 4	SPANISH
Audio 5	UKRANIAN

Host TV Pool Feed 3 – SATELLITE DETAILS

Host TV Pool Feed 3

- Thursday 30th June 2022; 10:30 – 14:00 GMT

Satellite Eutelsat 10A 10 deg East

Satellite	Eutelsat 10A 10 deg East
Bandwidth	9 MHz
Downlink frequency	11526,41 MHz POL.H
Parameters	DVBS2 8PSK 7.200 Ms/s FEC 3/4, Pilot:On Roll-off 0.25 (MPEG4/H.264 420) Data Rate 15,678
Video standard	HD 1080i 50Hz 16:9
Audio 1	INTERNATIONAL
Audio 2	ENGLISH
Audio 3	FRENCH
Audio 4	SPANISH
Audio 5	UKRANIAN

Host TV will be captured at 1920x1080@50i with seven channels of embedded audio when Simultaneous translation is available.

Contact Details

For Overon Worldfeed: +34 918377550 or planning@overon.es; OTAN2022@overon.es

Host TV Material can be received in the following ways:

- At the Summit Media Centre at IFEMA, from the TV and Radio booths and on distribution boxes located at the Media Centre
- From World Feed Satellite
- From the NATO multimedia page

<https://www.natomultimedia.tv/portal/Register.html>)

Switchable Feeds

All HB video feeds are originated and available in 1080i50 via SDI output.

The Host TV switched feed in the Edit Booths will be available in

HDSDI 1920x1080 50i

NATO HQ will also archive and distribute broadcast-quality B-roll from the event.

Feeds in Editing TV/radio Booths

There are four feeds in the Editing booths:

- Feed 1
- Feed 2
- Feed 3
- Feed 4: NATO PDD Forum

These feeds will be provided by the host broadcaster as follows: 4 BNC termination outputs with the 4 HOST signals, there will be also a multi-view screen with the 4 feeds). In the radio booths the audios are available also with XLR termination.

The format of the programme signal will be as origin, HD1080/50i with embedded audio and translation channels.

Host Feed Workspace

There are a limited number of workspaces throughout the media centre supplied with the host TV feed. There is a limited amount of analogue audio feeds available at these desks. These are located near the edit booths.

Internet Access

Video uploads need to be done by wired connection and not by wifi. Browsing wifi is available

NATO Television Studio

NATO is providing a 3-camera TV studios for Live programme inserts and local recordings, in cooperation with TVE.

The studio is equipped and staffed. It is available free of charge for interviews. Priority will be given to interviews by the Secretary General.

Booking requests can be sent at broadcastoperations@hq.nato.int.

The TV studio is NOT situated in the Media Centre and access by media will need to be under escort. Reservations for the studio will be taken from delegations only.

Host Photography

Visual journalists will be able to cover the main summit events based on a pool system. Details are available in the Media Handbook: https://www.nato.int/cps/en/natohq/news_196268.htm#bro

Images by host photographers will be available on the NATO website: www.nato.int