

**Transmission synopsis reference number: 21-202625** version 1

Event number: 48124

Event: NATO Summit

FEED A

Brussels - NATO HQ Blvd Leopold III, 111 Brussels

Transmission type: Multilateral

Dates and timings: 14/06/2021 07:00 - 17:00 UTC

---

Origin:  
BENATO Brussels

Technical origin:  
EBU BRUSSELS NATO HQ  
Path: NATO MULTI 1

---

Destination:  
CHNWDR Geneva Distribution: NON-LINEAR DISTRIBUTION

---

Routing:

48124/EBU BRUSSELS NATO HQ/MUX A/SVC-1  
BEL-119  
EU7B/B3/3E12  
GNVE ZZEBU/EU7B/GNVE ZZEBU DOWNLINK  
GNVE ZZEBU/RX 68 ATEME TITAN  
-

*\*\*\* ASI T/A OF MUX TO ASIA - 1080 50i \*\*\**  
48124/VIRTUAL MUXES/VIRTUAL MUX ASIA/SVC-1  
GNVE ZZEBU/GNVA2\_AI121\_GNVE > FINE  
FINE > EMEK ILMX1/EMEK1\_MOD26\_ATV  
EMEK ILMX1/MOD EV 26 (APPEAR TV: DVB\_S2\_S2X)  
EMEK ILMX1/EMEK MX1 AS5/UL Y  
AS5/C10H/1\_12  
EMEK ILMX1/EMEK MX1 AS5/AS5 DOWN (X)  
EMEK ILMX1/DEM EV 51 (APPEAR TV: DVB\_S2\_S2X)

EMEK ILMX1/EMEK1\_DEM51\_ATV > FINE  
FINE > GNVE ZZEBU/GNVA2\_AO15GNVA  
GNVE ZZEBU/RX 71 ATEME TITAN  
-

\*\*\* TO THE AMERICAS - 1080 60i \*\*\*

GNVE ZZEBU/CV10 FOR-A HD ONLY + DOLBY  
GNVE ZZEBU/ENC F108 HD-SD MPEG4 ATEME  
GNVE ZZEBU/GNVA2\_AI122\_GNVE > FINE  
FINE > MANS NLNSS/MANS\_MOD01MNSS  
MANS NLNSS/SES-14/MOD1MNSS (NEWTEC NTC2277)  
SES-14/HER-10 - HEL-10/6\_1  
GNVE ZZEBU/RX 74 ATEME TITAN  
-

\*\*\* ASI T/A OF MUX TO EAI - 1080 50i \*\*\*

48124/VIRTUAL MUXES/VIRTUAL MUX EAI/SVC-1  
GNVE ZZEBU/GNVA2\_AI18GNVE > FINE  
FINE > WSHT ZZEBU/WSHT.1\_AO123WSHT  
WSHT ZZEBU/RX 8200 RX 016  
-

\*\*\* TO NEWSDIRECT \*\*\*

GNVE ZZEBU/STREAMFARM EVS-2/EVS-2 IN-18  
-

\*\*\* COLD BU FOR CONTRIBUTION \*\*\*

BRUX BEVRT/BRUX.VRT\_FI01BRUXV > FINE  
FINE > GNVE ZZEBU/GNVA2\_AO25GNVE  
GNVE ZZEBU/RX 77 ATEME TITAN  
GNVE ZZEBU/VM2/SERVICE 01  
GNVE ZZEBU/EU7B/UP 1

---

Distribution network:

Satellite	Eutelsat 7B 7 deg East Transponder B3
Channel	3E12 - 12 MHz
MCPC	SVC-1
Uplink frequency	14369.0 MHz POL.Y by BEL-119
Downlink frequency	11069.0 MHz POL.X
Parameters	DVBS2 8PSK 9.875Ms/s FEC 3/4,Pilot:On Roll-off 0.2 (MPEG4/H.264 420 21.503 Mbps)
Video standard	HD 1080i 50Hz 16:9
Audio 1	ORIGINAL
Audio 2	ENGLISH
Audio 3	FRENCH

Audio 4	RUSSIAN
---------	---------

Satellite	Asiasat 5 100.5 deg East Transponder C10H
Channel	1_12 - 12 MHz
MCPC	SVC-1
Uplink frequency	6213.0 MHz POL.Y by EMEK ILMX1/EMEK MX1 AS5/UL Y
Downlink frequency	3988.0 MHz POL.X
Parameters	DVBS2 8PSK 9.875Ms/s FEC 3/4,Pilot:On Roll-off 0.2 (MPEG4/H.264 420 21.503 Mbps)
Video standard	HD 1080i 50Hz 16:9

Audio 1	ORIGINAL
Audio 2	ENGLISH
Audio 3	FRENCH
Audio 4	RUSSIAN

Satellite	SES-14 47.5 W Transponder HER-10 - HEL-10
Channel	6_1 - 6 MHz
Uplink frequency	6093.0 MHz POL.RHCP by MANS NLNSS/SES-14/MOD1MNSS (NEWTEC NTC2277)
Downlink frequency	3868.0 MHz POL.LHCP
Parameters	DVBS2 8PSK 4.9373 Ms/s FEC 3/4,Pilot:On Roll-off 0.2 (MPEG4/H.264 420 10.7514 Mbps)
Video standard	HD 1080i 60Hz 16:9

Audio 1	ORIGINAL
Audio 2	ENGLISH
Audio 3	FRENCH
Audio 4	RUSSIAN

Fiber circuit	48124_AI121_GNVE_TO_MOD26_ATV(438518)
Source port	AI121_GNVE
Destination port	MOD26_ATV
Parameters	MPEG4/H.264 420 21.503 Mbps
Video standard	HD 1080i 50Hz 16:9

Audio 1	ORIGINAL
Audio 2	ENGLISH
Audio 3	FRENCH
Audio 4	RUSSIAN

Fiber circuit	48124_DEM51_ATV_TO_AO15GNVA(438529)
Source port	DEM51_ATV
Destination port	AO15GNVA
Parameters	MPEG4/H.264 420 21.503 Mbps
Video standard	HD 1080i 50Hz 16:9

Audio 1	ORIGINAL
Audio 2	ENGLISH
Audio 3	FRENCH
Audio 4	RUSSIAN

Fiber circuit	48124_AM_1_AI122_GNVE_TO_MOD01MNSS(438536)
Source port	AI122_GNVE
Destination port	MOD01MNSS
Parameters	MPEG4/H.264 420 10.7514 Mbps
Video standard	HD 1080i 60Hz 16:9

Audio 1	ORIGINAL
Audio 2	ENGLISH
Audio 3	FRENCH
Audio 4	RUSSIAN

Fiber circuit	48124_AI18GNVE_TO_AO123WSHT(438519)
Source port	AI18GNVE
Destination port	AO123WSHT
Parameters	MPEG4/H.264 420 21.503 Mbps
Video standard	HD 1080i 50Hz 16:9

Audio 1	ORIGINAL
Audio 2	ENGLISH
Audio 3	FRENCH
Audio 4	RUSSIAN

Fiber circuit	48124_MULTI_1_CONTRIBUTION_BACKUP_FI01BRUXV_TO_AO25GNVE(438557)
Source port	FI01BRUXV
Destination port	AO25GNVE
Parameters	MPEG4/H.264 420 10.7514 Mbps
Video standard	HD 1080i 50Hz 16:9

Audio 1	ORIGINAL
Audio 2	ENGLISH
Audio 3	FRENCH
Audio 4	RUSSIAN

---

Synopsis issued by: SDL

New bookings, amendments and general enquiries:

[bookings@eurovision.net](mailto:bookings@eurovision.net)

T [+41 22 717 29 00](tel:+41227172900)



Immediate operational problems during the transmission:

T [+41 22 717 27 90](tel:+41227172790)

Check the status of this transmission and download the latest parameters [here](#)

---

### EUROVISION SERVICES

L'Ancienne-Route 17A  
Case Postale 45, CH-1218  
Grand-Saconnex GE  
Switzerland

**Transmission synopsis reference number: 21-202627** version 1

Event number: 48124

Event: NATO Summit

FEED B

Brussels - NATO HQ Blvd Leopold III, 111 Brussels

Transmission type: Multilateral

Dates and timings: 14/06/2021 07:00 - 17:00 UTC

---

Origin:

BENATO Brussels

Technical origin:

EBU BRUSSELS NATO HQ

Path: NATO MULTI 2

---

Destination:

CHNWDR Geneva Distribution: NON-LINEAR DISTRIBUTION

---

Routing:

48124/EBU BRUSSELS NATO HQ/MUX A/SVC-2  
BEL-119  
EU7B/B3/3E12  
GNVE ZZEBU/EU7B/GNVE ZZEBU DOWNLINK  
GNVE ZZEBU/RX 69 ATEME TITAN  
-

\*\*\* *ASI T/A OF MUX TO ASIA - 1080 50i* \*\*\*  
48124/VIRTUAL MUXES/VIRTUAL MUX ASIA/SVC-2  
GNVE ZZEBU/GNVA2\_AI121\_GNVE > FINE  
FINE > EMEK ILMX1/EMEK1\_MOD26\_ATV  
EMEK ILMX1/MOD EV 26 (APPEAR TV: DVB\_S2\_S2X)  
EMEK ILMX1/EMEK MX1 AS5/UL Y  
AS5/C10H/1\_12  
EMEK ILMX1/EMEK MX1 AS5/AS5 DOWN (X)  
GNVE ZZEBU/RX 72 ATEME TITAN  
-

\*\*\* *TO THE AMERICAS - 1080 60i* \*\*\*  
GNVE ZZEBU/CV11 FOR-A HD ONLY + DOLBY  
GNVE ZZEBU/ENC FI09 HD-SD MPEG4 ATEME  
GNVE ZZEBU/GNVA2\_AI123\_GNVE > FINE  
FINE > MANS NLNSS/MANS\_MOD02MNSS  
MANS NLNSS/SES-14/MOD2MNSS (NEWTEC NTC2277)  
SES-14/HER-10 - HEL-10/6\_2  
GNVE ZZEBU/RX 75 ATEME TITAN  
-

\*\*\* *ASI T/A OF MUX TO EAI* \*\*\*  
48124/VIRTUAL MUXES/VIRTUAL MUX EAI/SVC-2  
GNVE ZZEBU/GNVA2\_AI18GNVE > FINE  
FINE > WSHT ZZEBU/WSHT.1\_AO123WSHT  
WSHT ZZEBU/RX 8200 RX 057  
-

\*\*\* *TO NEWSDIRECT* \*\*\*  
GNVE ZZEBU/STREAMFARM EVS-2/EVS-2 IN-19  
-

\*\*\* *COLD BU FOR CONTRIBUTION* \*\*\*  
BRUX BEVRT/BRUX.VRT\_FI02BRUXV > FINE  
FINE > GNVE ZZEBU/GNVA2\_AO26GNVE  
GNVE ZZEBU/RX 78 ATEME TITAN  
GNVE ZZEBU/VM2/SERVICE 02  
GNVE ZZEBU/EU7B/UP 1

---

Distribution network:

Satellite	Eutelsat 7B 7 deg East Transponder B3
-----------	---------------------------------------

Channel	3E12 - 12 MHz
MCPD	SVC-2
Uplink frequency	14369.0 MHz POL.Y by BEL-119
Downlink frequency	11069.0 MHz POL.X
Parameters	DVBS2 8PSK 9.875Ms/s FEC 3/4,Pilot:On Roll-off 0.2 (MPEG4/H.264 420 21.503 Mbps)
Video standard	HD 1080i 50Hz 16:9

Audio 1	ORIGINAL
Audio 2	ENGLISH
Audio 3	FRENCH
Audio 4	RUSSIAN

Satellite	Asiasat 5 100.5 deg East Transponder C10H
Channel	1_12 - 12 MHz
MCPD	SVC-2
Uplink frequency	6213.0 MHz POL.Y by EMEK ILMX1/EMEK MX1 AS5/UL Y
Downlink frequency	3988.0 MHz POL.X
Parameters	DVBS2 8PSK 9.875Ms/s FEC 3/4,Pilot:On Roll-off 0.2 (MPEG4/H.264 420 21.503 Mbps)
Video standard	HD 1080i 50Hz 16:9

Audio 1	ORIGINAL
Audio 2	ENGLISH
Audio 3	FRENCH
Audio 4	RUSSIAN

Satellite	SES-14 47.5 W Transponder HER-10 - HEL-10
Channel	6_2 - 6 MHz
Uplink frequency	6099.0 MHz POL.RHCP by MANS NLNSS/SES-14/MOD2MNSS (NEWTEC NTC2277)
Downlink frequency	3874.0 MHz POL.LHCP
Video standard	HD 1080i 60Hz 16:9

Audio 1	ORIGINAL
Audio 2	ENGLISH
Audio 3	FRENCH
Audio 4	RUSSIAN

Fiber circuit	48124_AI121_GNVE_TO_MOD26_ATV(438518)
Source port	AI121_GNVE
Destination port	MOD26_ATV
Parameters	MPEG4/H.264 420 21.503 Mbps
Video standard	HD 1080i 50Hz 16:9

Audio 1	ORIGINAL
Audio 2	ENGLISH
Audio 3	FRENCH
Audio 4	RUSSIAN

Fiber circuit	48124_AM_2_AI123_GNVE_TO_MOD02MNSS(438540)
Source port	AI123_GNVE
Destination port	MOD02MNSS
Parameters	MPEG4/H.264 420 10.7514 Mbps
Video standard	HD 1080i 60Hz 16:9
Audio 1	ORIGINAL
Audio 2	ENGLISH
Audio 3	FRENCH
Audio 4	RUSSIAN

Fiber circuit	48124_AI18GNVE_TO_AO123WSHT(438519)
Source port	AI18GNVE
Destination port	AO123WSHT
Parameters	MPEG4/H.264 420 21.503 Mbps
Video standard	HD 1080i 50Hz 16:9
Audio 1	ORIGINAL
Audio 2	ENGLISH
Audio 3	FRENCH
Audio 4	RUSSIAN

Fiber circuit	48124_MULTI_2_CONTRIBUTION_BACKUP_FI02BRUXV_TO_AO26GNVE(438558)
Source port	FI02BRUXV
Destination port	AO26GNVE
Parameters	MPEG4/H.264 420 10.7514 Mbps
Video standard	HD 1080i 50Hz 16:9
Audio 1	ORIGINAL
Audio 2	ENGLISH
Audio 3	FRENCH
Audio 4	RUSSIAN

---

Synopsis issued by: SDL

New bookings, amendments and general enquiries:  
[bookings@eurovision.net](mailto:bookings@eurovision.net)  
 T +41 22 717 29 00



Immediate operational problems during the transmission:  
 T +41 22 717 27 90

Check the status of this transmission and download the latest parameters [here](#)



---

**EUROVISION SERVICES**

L'Ancienne-Route 17A  
Case Postale 45, CH-1218  
Grand-Saconnex GE  
Switzerland