



WP 6A > DTTB Questionnaire: Respond to this Survey

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1 a) What standards have you adopted for digital terrestrial broadcasting ?

- HST ETSI TS 101 191 - "Digital Video Broadcast (DVB), Overland Digital Telecommunication, Synchronization of Single Frequency Networks (SFN), General technical Conditions";
- HST EN 301 195 - "Digital Television Broadcast (DVB), Interactive Link through the Global System for Mobile Communication (GSM)";

- HST ET SI EN 302 304 - "Digital Video Broadcast (DVB), Overland Digital Telecommunication, Mobile Terminals Communication Systems (DVB-H)";
- HST AN SI/SMPTE 292M - "Television, Subsequent Digital Interface for the High Definition Television Systems"

1 b) Have you started introduction of digital terrestrial television services ? *

- Yes
 No

1 c) If 'Yes', please provide further details on the number of multiplexes in use, their technical specifications, the percentage of geographic area or population they are intended to cover and the total spectrum use to inform WP 6A.

A proposed format for detailed responses is provided in Annex 1 (see file DTTB-Q-A1.docx under QUESTIONNAIRE in the WP 6A Share Folder).

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It's the reason Annex 1 is not filled in.	
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2 a) Have you commenced analogue television switch-off ?

- Yes
 No

2 b) If you have any such plans, when do you expect to have completed the analogue switch-off process ?

Beginning of 2015.

3 a) What is the percentage of viewer uptake of terrestrial television in your country, including those whose service provider uses terrestrial broadcast re-transmission (e.g. in cable networks)?

~ 99,8 %

3 b) If possible, please also provide details of the number or proportion of users who receive television primarily by terrestrial means.

4 a) Indicate how many analogue television transmitters use channels in the frequency sub-band 694-790 MHz (as indicated in Resolution 232 (WRC-12)).

54 television transmitters in the frequency dimension of 49th-60th television links.

4 b) How many are in the remaining part of the UHF band ?

283 television transmitters in the remaining Ultra-high frequency (UHF) dimension - 470 - 694 MHz (21st-48th television links) and 790 -862 MHz (61st-69th television links).

5 a) What frequencies/channels are currently used or intended to be used by digital terrestrial television broadcasting in your country? Please distinguish between those in use and those intended to be used.

It is anticipated to exploit 241 assigned television links for the Overland Television Broadcast in the Republic of Armenia in accordance with the regional zones:

276 - 9 assignments (12, 22, 26, 28, 46, 50, 56, 57, 68)

277 - 11 assignments (7, 23, 28, 35, 39, 43, 44, 56, 57, 65, 68)

277 - 11 assignments (7, 23, 28, 35, 39, 43, 44, 56, 57, 65, 68)

278 - 14 assignments (7, 9, 23, 24, 25, 29, 30, 32, 34, 37, 43, 47, 53, 69)

279 - 42 assignments (6, 7, 8, 9, 10, 11, 12, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37,

38, 39, 40, 41, 43, 44, 46, 47, 50, 51, 53, 56, 57, 58, 63, 65, 68, 69)

281 - 44 assignments (6, 7, 8, 9, 10, 11, 12, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37,

38, 39, 40, 41, 43, 44, 46, 47, 50, 51, 53, 56, 57, 58, 60, 63, 64, 65, 68, 69)

282 - 45 assignments (6, 7, 8, 9, 10, 11, 12, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37,

38, 39, 40, 41, 43, 44, 46, 47, 50, 51, 53, 55, 56, 57, 58, 60, 63, 64, 65, 68, 69)

283 - 15 assignments (6, 12, 21, 22, 25, 26, 30, 38, 46, 51, 55, 57, 63, 65, 68, 69)

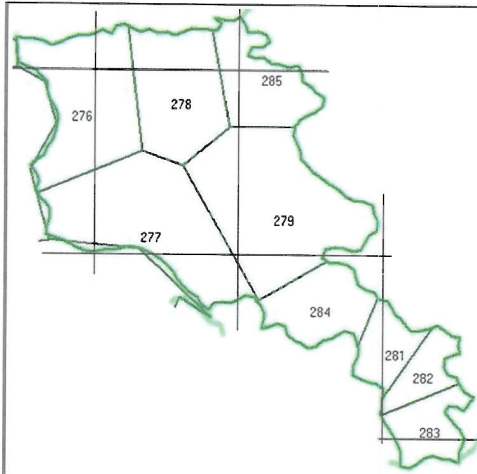
284 - 32 assignments (6, 7, 8, 9, 10, 11, 23, 24, 28, 29, 30, 31, 32, 33, 35, 36, 38, 40, 41, 43, 44, 46, 47, 50,

56, 57, 58, 60, 63, 64, 65, 68, 69)

285 - 29 assignments (6, 7, 8, 9, 10, 12, 21, 22, 23, 24, 25, 26, 28, 29, 30, 32, 34, 37, 38, 40, 43, 46, 47, 50,

53, 56, 57, 58, 63, 69)

5 b) If allotments/SFNs are in use, a sketch map of frequency allocations could be included, with an accompanying table of allocations, as shown in Annex 2 (see file DTTB-Q-A2.docx under QUESTIONNAIRE in the WP 6A Share Folder). Otherwise, it might be possible to show main transmitters and channels, grouped in layers, in a table.



Region	Layer 1	Layer 2	Layer 3
276 – 9 assignments (12, 22, 26, 28, 46, 50, 56, 57, 68)	22 settlements, 6 links - 22, 26, 28, 46, 50, 56	22 settlements, 13 links - 7, 9, 12, 22, 23, 26, 28, 29, 34, 35, 46, 50, 57	22 settlements, 13 links - 9, 12, 22, 26, 28, 30, 32, 46, 48, 50, 56, 57, 69
277 – 11 assignments (7, 23, 28, 35, 39, 43, 44, 56, 57, 65, 68)	15 settlements, 9 links - 23, 28, 35, 39, 44, 56, 57, 65, 68	15 settlements, 7 links - 7, 10, 23, 28, 35, 57, 68	15 settlements, 8 links - 7, 28, 35, 39, 43, 44, 46, 68
278 – 14 assignments (7, 9, 23, 24, 25, 29, 30, 32, 34, 37, 43, 47, 53, 69)	40 settlements, 8 links - 7, 23, 24, 25, 29, 30, 32, 34	40 settlements, 9 links - 7, 9, 23, 24, 25, 29, 30, 32, 34	40 settlements, 13 links - 7, 9, 25, 32, 34, 37, 38, 39, 43, 47, 53, 57, 69
279 – 42 assignments (6, 7, 8, 9, 10, 11, 12, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 43, 44, 46, 47, 50, 51, 53, 56, 57, 58, 63, 65, 68, 69)	23 settlements, 8 links - 10, 21, 23, 24, 25, 26, 28, 46	23 settlements, 15 links - 6, 7, 8, 9, 10, 11, 12, 23, 27, 28, 31, 35, 44, 50, 51	23 settlements, 18 links - 6, 7, 9, 12, 26, 28, 30, 32, 34, 36, 37, 39, 40, 43, 50, 53, 56, 58
281 – 44 assignments (6, 7, 8, 9, 10, 11, 12, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 43, 44, 46, 47, 50, 51, 53, 56, 57, 58, 60, 63, 64, 65, 68, 69)	8 settlements, 4 links - 23, 26, 28, 29	8 settlements, 8 links - 7, 9, 11, 12, 21, 33, 41, 44	8 settlements, 8 links - 7, 9, 10, 12, 25, 39, 46, 51
282 – 45 assignments (6, 7, 8, 9, 10, 11, 12, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 43, 44, 46, 47, 50, 51, 53, 55, 56, 57, 58, 60, 63, 64, 65, 68, 69)	20 settlements, 4 links - 21, 23, 25, 29	20 settlements, 15 links - 7, 8, 9, 12, 21, 22, 24, 26, 27, 28, 30, 31, 32, 46, 51	20 settlements, 17 links - 10, 11, 12, 22, 27, 34, 39, 41, 44, 46, 47, 53, 55, 56, 58, 63, 69
283 – 15 assignments (6, 12, 22, 25, 26, 30, 38, 46, 51, 55, 57, 63, 65, 68, 69)	21 settlements, 4 links - 22, 25, 26, 30	21 settlements, 11 links - 6, 12, 22, 26, 30, 38, 46, 55, 57, 63, 65	21 settlements, 9 links - 6, 12, 22, 25, 38, 46, 51, 63, 68
284 – 32 assignments		25 settlements	25 settlements

284 – 32 assignments (6, 7, 8, 10, 11, 23, 24, 28, 29, 30, 31, 32, 33, 35, 36, 38, 40, 41, 43, 44, 46, 47, 50, 56, 57, 58, 60, 63, 64, 65, 68, 69)	25 settlements, 9 links - 8, 10, 12, 23, 24, 29, 30, 35, 38	25 settlements, 15 links - 6, 8, 9, 10, 12, 27, 29, 35, 41, 43, 46, 47, 50, 56, 58,	25 settlements, 12 links - 6, 8, 9, 10, 11, 24, 28, 35, 41, 47, 50, 58,
285 – 29 assignments (6, 7, 9, 10, 12, 21, 22, 23, 24, 25, 26, 28, 29, 30, 32, 34, 37, 38, 40, 43, 46, 47, 50, 53, 56, 57, 58, 63, 69)	29 settlements, 6 links - 21, 22, 23, 24, 26, 38	29 settlements, 8 links - 7, 9, 12, 22, 25, 29, 32, 34	29 settlements, 19 links - 6, 7, 9, 10, 12, 21, 24, 26, 32, 37, 38, 40, 43, 47, 50, 53, 56, 57, 63

5 c) Please indicate how many digital television assignments/allotments use channels in the frequency sub-band 694-790 MHz (as indicated in Resolution 232 (WRC-12), and

- 40 links of digital television assignments (in the 694-790 MHz dimension – 49th-60th television links)
- 11 links of digital television allocations (in the 694-790 MHz dimension – 49th-60th television links)

5 d) How many are in the remaining part of the UHF band ?

- 164 links of digital television assignments (470- 694 MHz – 21st-48th television links, and 790- 862 MHz - 61st-69th television links)
- 183 links of digital television allocations (470- 694 MHz – 21st-48th television links, and 790- 862 MHz - 61st-69th television links)

6 a) Are those frequency bands also shared with other primary services?

- Yes
- No

6 b) If yes, please give details of those systems and their spectrum use.

7 a) Are those frequency bands also shared with secondary services such as PMSE, radioastronomy or wind-profile radar?

- Yes
- No

7 b) If yes, please give details of those systems and their spectrum use.

8 a) Do you foresee the adoption or expansion of television services broadcast using second-generation systems such as DVB-T2 ?

- Yes
- No

8 b) If yes, please give indicative details of the planned transition, including any simulcast period.

9 a) Do you foresee a requirement for new and enhanced services, including HD and 3D television, on the terrestrial television platform?

- Yes
- No

9 b) If yes, please give indicative details of the number and nature of services planned, and if known, the expected timeframe for their introduction.

10 a) Are there plans in your country to launch more multiplexes in the future ?

- Yes
- No

10 b) If yes, how many more and when? Please also indicate the expected timeframe for their introduction.

11 What is the amount of spectrum you foresee that will be required for terrestrial television broadcasting, if plans in Questions 8, 9 and 10 are to be supported, and services identified in Questions 6 and 7 are to be taken into account? Please indicate the modes of transmission that will be used, and timeframes. If appropriate, a suggested form to express these requirements is shown in Annex 3 (see file DTTB-Q-A3 under QUESTIONNAIRE in the WP 6A Share Folder).

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12. Please provide the following information:

- a) Name of the Administration/Sector Member:
- b) For Sector members please indicate the geographical area over which you operate:
- c) Contact person:
- d) Email address:
- e) Telephone number:

Font Name	Size
a) Administration for Communication of the Republic of Armenia b) -- c) Konstantin KURBANYAN d) rct@web.am e) +37410 288717	
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