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31 January 2013

TM 4799r1

To: Musa Unmehopa opa@alcatel-lucent.com (Technical Plenary Chair)

Cc: Kepeng Li likepeng@huawei.com (TP-CD Working Group Chair)

Liaison Statement from the DVB Project to OMA

OMA-BCAST Adaptation to DVB-NGH and DVB-GSE LLC

Dear OMA Colleagues,

Thank you very much for informing us about your work on the specification "BCAST Distribution System Adaptation – over DVB-NGH", and for providing us a copy of the draft version 1.2 (16 Aug 2012) of said document.

We have studied the document with great interest, and would like to congratulate the chair and members of the outgoing BCAST WG on this achievement, and thank them for the fruitful cooperation. At the same time, we are looking forward to continuing this collaborative spirit with the chair and members of the CD WG. Unfortunately none of the organizations who had worked on the document in the BCAST WG, were able to attend as usual the 123rd meeting of TM-GBS earlier this month. We have still done a review of it, and ended up with a series of observations and questions, which we would like to share with you. Kindly find our observations listed in Annex A to this letter.

Regarding the DVB-NGH physical layer specification, the status is that the TM-H group will deliver the final draft to ETSI in the near future, but the resource situation is still difficult here. Based on the commitments by DVB members at the 93rd Technical Module on January 16/17, we have however agreed to deliver the candidate DVB-GSE LLC specification to the 95th meeting of the Technical Module (October 23/24).

We are looking forward to your views and comments.

Sincerely yours, (Alexander Adolf and Frank Herrmann)

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Annex A

DVB's Observations on Draft Version 1.2 (16 Aug 2012) of "BCAST Distribution System Adaptation – over DVB-NGH"

1. We suggest to add text stating that this adaptation builds on DVB-GSE, and is therefore usable on all DVB bearers which support GSE like DVB-T2, S2, C2, and DVB-NGH.

2. Regarding the terminology around T2 and T2-Lite, we suggest to only mention T2, and add a note that T2 features T2-Base and T2-Lite profiles.

3. Regarding the references in sections 5.1 and 6.1,

   3.1. we suggest to not reference any specific versions of the DVB documents. The absence of a version number implies the latest version;

   3.2. we suggest to also reference part 1 of the GSE specification.

4. In section 5.2, we think that a statement should be added, clarifying that the references given for NGH in section 5.1 are equally applicable to T2. We also suggest to add a reference to the T2 specification.

5. For section 6, we would suggest "Generic adaptation over DVB-GSE IP transmission" as the title.

6. In the first paragraph of section 6, which documents are referred to by "generic specifications"?

7. In the last paragraph of section 6, which documents are referred to by "generic adaptation"?

8. Section 6.1 is labeled "Access to the IP layer", but does feature a reference to the NGH physical layer specification. This might be read as implying that NGH is required, but actually only GSE is needed.

9. In tables 1 and 2 in section 6.2.3, the BDSEntryPoint/<X>/DVB-(NGH|T2)/Tuning element is listed as optional, whereas its children elements are required. How is this to be interpreted?

10. In section 6.2.4, the notification feature is specified for NGH only. Does this imply that it is not available on T2? Nor on any other GSE system?

11. In section 6.3.4.2:

    11.1. What do the abbreviations in the type and category columns represent?

    11.2. As part of the NCD data structure you define the ROHC descriptor; today we agreed in the GBS meeting that ROHC is adopted as an option for GSE in general, and hence no longer specific to NGH. Therefore the ROHC descriptor should be part of both data structures (i.e. for T2 as well).

    11.3. Making the ROHC descriptor applicable to GSE (i.e. to T2 as well) the only remaining difference between tables 5 and 6 seems to be the CommonClockReferenceID which is part of the PHY descriptor. We believe that the CommonClockReferenceID can be used

    11.4. to the same advantage (fast zapping) on T2 as well. We would thus suggest to add this

parameter to the T2 data structure as well.

11.5. In case both above proposals (ROHC descriptor and CommonClockReferenceID) seem acceptable, tables 5 and 6 will be identical and could be merged into a single data structure applicable to both, NGH and T2.

12. In sections 6.3.5 and 7.2:

12.1. The multicast addresses given are those assigned to DvbServDisc by IANA. If SGDD information is transmitted on these multicast addresses, a DVB SD&S aware terminal will not be able to interpret it, because it expects DVB SD&S being transmitted, not OMA BCAST information. We would thus strongly recommend to make separate multicast address registrations for OMA BCAST SGDD with IANA.

12.2. The second paragraph seems to imply that use of a common PLP is required for OMA BCAST. Is this intentional? Does this exclude the single PLP case? And the multiple PLP case without common PLP?

12.3. The whole section may need revision in the light of the final draft of GSE-LLC, when it becomes available.

13. Section 6.5.3.1 refers to EN 303 105, which only provides a buffer model for the physical layer. We would like to inform you that TS 102 606-1 (the GSE protocol specification) will be amended by a GSE receiver buffer model.