

**IEEE 802.16 Working Group on Broadband Wireless Access**

<http://WirelessMAN.org>



Roger B. Marks  
Chair, IEEE 802.16 Working Group  
[r.b.marks@ieee.org](mailto:r.b.marks@ieee.org)  
16 July 2009

To: Chung G. Kang, Chairman, TTA PG 702

Subject: Response to TTA liaison statement of 10 July regarding IMT-Advanced development

Dear Professor Kang,

The IEEE 802.16 Working Group (WG) appreciates your recent liaison statement ([IEEE L802.16-09/0073](#)) and the information regarding TTA's IMT-Advanced technology submission activities. The IEEE 802.16 WG respects the situation in Korea and will do our best to accommodate your schedule. We understand that TTA will be our contact point within the Korean approval process.

In reference to finalization of IEEE's IMT-Advanced submission, we would like to confirm that we plan to have all necessary documentation completed at our [Session #63](#) (31 August – 3 September in Jeju, Korea), at which time we will share those documents with you. We will submit these documents for broader IEEE review, to conclude during our [Session #63.5](#) (21 – 24 September in Hawaii, USA). We understand the importance within the Korean approval process of the need for stability of the draft submission. It is our intent to ensure that any changes introduced following Session #63 be limited to potential improvements, editorial or otherwise, that would not have a critical impact on meeting IMT-Advanced technical requirements. We will immediately provide TTA with the final documents for consideration during any relevant processes.

Per our liaison relationship, I would like to give you further updates on the IEEE 802.16 WG activities regarding IMT-Advanced.

In accordance with the IEEE 802.16 ITU-R Liaison Group Workplan ([L802.16-08/058](#)), the IEEE 802.16 WG continued efforts during its Session #62 (13-16 July in San Francisco, USA) to prepare materials for IMT-Advanced submission.

The IEEE 802.16 WG updated the following materials being prepared for IMT-Advanced submission:

- L802.16-09/0022d2: Working Document on Technology Description Template Characteristics Template (TDT)
- L802.16-09/0023d2: Working Document on Technology Description Template – Link Budget Template

(LBT)

- L802.16-09/0024d2r1: Working Document on Compliance Templates
- L802.16-09/0025d2: Simulation Assumptions and Configuration Parameters for IMT-Advanced Test Environments

In addition, the 802.16 WG initiated drafts of the final IMT-Advanced submission package to ITU-R Working Party 5D (WP 5D) into which materials contained in the above four working documents are incorporated. We would like to share with TTA PG 702 all of these materials in order to expedite preparations for IMT-Advanced submission. Documents associated with this package are listed below:

- L802.16-09/0050d1: “Draft submission of a candidate IMT-Advanced RIT based on IEEE 802.16 (Part I)”, containing description templates (TDT and LBT)
- L802.16-09/0051d1: “Draft submission of a candidate IMT-Advanced RIT based on IEEE 802.16 (Part II)”, containing self-evaluation report and compliance templates
- L802.16-09/0052d1: “Draft submission of a candidate IMT-Advanced RIT based on IEEE 802.16 (Part III)”, containing other material required for the submission

The IEEE 802.16 WG welcomes your input and brings to your attention the Call for Comments and Contributions on IMT-Advanced Submission ([L802.16-09/0079](#)) on the submission package.

With respect to IMT-Advanced submissions, and foreseeing issues regarding on-going maintenance of future IMT-Advanced Recommendations, we have considered the need for appropriate administrative procedures. It appears that a Memorandum of Understanding (MoU) between IEEE-SA and other supporting organizations might best address these issues. We have been discussing the matter with IEEE-SA staff and hope to prepare a draft MoU over the next few weeks. Having received TTA’s timely invitation to a meeting on 30 August to discuss administrative issues, we propose to discuss such a draft at that time.

In addition, we welcome TTA representatives to attend IEEE 802.16 Session #63 beginning on Monday 31 August. In particular, we invite TTA representatives to participate in our WG Opening Plenary on Monday morning. TTA participants may also be interested in the subsequent ITU-R Liaison Group meetings. We expect that the Monday morning meeting of the ITU-R Liaison Group will particularly focus on issues regarding coordination with external bodies such as TTA. Any participants from TTA should convey their intent to attend by 24 August to Mr. Jung Je Son <[jungje.son@samsung.com](mailto:jungje.son@samsung.com)>, who can provide further information regarding the session.

We have received a liaison statement from ARIB asking us to propose a common text as the basis for declarations of support and endorsement from SDOs for IEEE’s IMT-Advanced candidate submission. In order to harmonize activities among supporting organizations, we would like to propose the common text contained in Annex 1 as the basis for submissions to the October 2009 meeting of ITU-R WP 5D. We would be glad to discuss your comments on this proposal when we meet on 30 August.

We continue to appreciate contributions from the TTA PG 702 members regarding IEEE P802.16m standard development as well as preparations for IMT-Advanced submission.

Sincerely,

Roger B. Marks

Chair, IEEE 802.16 Working Group on Broadband Wireless Access

cc: Kyu-Jin Wee, Chairman, Mobile Communication Technical Committee (TC 7), TTA  
Hyun Kyu Chung, Chairman, IMT Evaluation Project Group (PG 707), TTA  
Hyoung-Jin Choi, TTA  
Kyoung Seok Oh, TTA  
Jung Je Son, IEEE 802.16 WG Liaison to TTA PG702  
Reza Arefi, ITU-R Liaison Group Chair, IEEE 802.16 Working Group  
Michael Lynch, IEEE-SA Technical Liaison to ITU-R  
Paul Nikolich, Chair, IEEE 802 LAN/MAN Standards Committee

### **Annex 1: Proposed Template as Basis for Declarations of Support for IMT-Advanced Proposal**

In response to ITU-R Circular Letter 5/LCCE/2, which invites proposals for candidate radio interface technologies for the terrestrial component of IMT-Advanced, [SDO] endorses IEEE's proposal of an initial technology submission under Step 3 of the IMT-Advanced process in Document [IMT-ADV/2\(Rev.1\)](#).