

Call to participate in the Canadian evaluation process of IMT-Advanced Radio Interface Technologies

INTRODUCTION

This is to bring to your attention the commencement of the activities of the Canadian Evaluation Group (CEG) to evaluate candidate technologies submitted to the ITU-R for acceptance as IMT-Advanced radio interfaces.

BACKGROUND

The term IMT stands for International Mobile Telecommunications and includes IMT-2000 as well as IMT-Advanced radio interfaces. IMT-2000 technologies have been successfully deployed around the world over the past ten years; they continue to evolve and will continue to be deployed in the near future. Eventually, with ever-increasing traffic and user demands for services, bandwidth, devices, etc., IMT-2000 technologies will gradually and gracefully give way to IMT-Advanced, the key features of which are:

- a high degree of commonality of functionality worldwide while retaining the flexibility to support a wide range of services and applications in a cost efficient manner;
- compatibility of services within IMT and with fixed networks;
- capability of interworking with other radio access systems;
- high-quality mobile services;
- user equipment suitable for worldwide use;
- user-friendly applications, services and equipment;
- worldwide roaming capability;
- enhanced peak data rates to support advanced services and applications (100 Mbit/s for high and 1 Gbit/s for low mobility were established as targets for research).

The CEG was formed in October 1996 (under the auspices of the ITU Canadian National Organisation – CNO) and is open to participation from Canadian industry and Canadian institutions¹. In 1998, the CEG evaluated the candidate radio technologies submitted for approval for IMT-2000. The results of the evaluation process can be found in document ITU-R 8-1/119². Subsequently, in 2006-2007, the CEG was reconvened to evaluate a sixth radio interface and the results of this process can be found in document ITU-R 8F/1189³. More information can be gleaned from the web-site created (www.imt-2000.ca) for those two processes. Currently, with the evolution to IMT-Advanced and the need to evaluate the corresponding candidate radio interfaces, a second web-site (www.imt-advanced.ca) has been created. Note that this site is under construction and

¹ Procedures are defined in the CNO-ITU-R Manual.

² <http://www.itu.int/itudoc/itu-r/archives/rsg/1998-00/rtg8-1/50155.html>.

³ <http://www.imt-2000.ca/R03-WP8F-C-1189!!MSW-E.doc>.

that material will be added as and when it becomes available. A number of details regarding the IMT-Advanced process itself, such as the requirements and the evaluation guidelines, can be found on the following ITU-R web-site:

<http://www.itu.int/ITU-R/index.asp?category=study-groups&rlink=rsg5-imt-advanced&lang=en>

The site also contains information on the evaluation groups that have registered with the ITU-R.

INVITATION

You are invited to participate in the Canadian evaluation process. To do so, you are requested to fill out the form provided in Appendix I and to return it to the CEG Chairman (by e-mail) at your earliest convenience but before the deadline of 29th Sept 2009.

The next meeting of the CEG will be held on the 23rd Sept 2009, in conjunction with the CNO WP5D meeting (9:30 a.m. – 12:00 p.m.) at 300 Slater Street, Ottawa, K1A 0C8. Subsequently, meetings will be held as required to progress the work in the most efficient manner possible, and to produce an evaluation report respecting the ITU deadline of June 2010. The report will be subject to the due CNO approval process.

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Chairman, CEG

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Appendix I

Name	
Affiliation (Company or Institution)	
Address	
Phone	
E-mail	
Interest in participation (Please indicate your area of expertise and the aspects of evaluation you'll be able to contribute to the CEG)	
NOTE: As a member of the CEG, you may not participate in another evaluation group. This rule will be strictly adhered to and dual participation is not permitted.	