

INFSO-ICT-216203 DAVINCI

D7.1.2

Plan for the use and dissemination of foreground, issue 2

Contractual Date of Delivery to the CEC: 30 April 2009 *(as specified in the contract)*

Actual Date of Delivery to the CEC: 6 May 2009

Author(s): Stephan Pfletschinger (ed.), Alain Mourad, Henryk Gierszal

Participant(s): CTTC, SEUK, ITTI

Workpackage: WP7

Estimated person months: 1

Security: PU

Nature: R

Version: 1.0

Total number of pages: 9

Abstract:

This document describes the planned activities in DAVINCI to disseminate and exploit the knowledge gained during the current project runtime. This description is not seen as final and comprehensive, it is rather seen as a continuous process of opportunity analysis which will assure the best possible result for exploitation.

Keyword list: dissemination, workshop, conference, publication, standardisation process

Disclaimer:

Executive Summary

This report is intended to steer the direction of submission to journals, conferences, together with raising preliminary interest for standardization & regulatory bodies, during the 2nd half of the project.

This document is an updated and refined version of the first dissemination plan, D7.1.1 “Plan for the use and dissemination of foreground, issue 1”, which has been completed in April 2008.

Authors

Partner	Name	Phone / Fax / e-mail
Samsung Electronics UK (SEUK)		
	Alain Mourad	Phone: +44.1784.428600 Ext. 756 Email: alain.mourad@samsung.com
Centre Tecnològic de Telecomunicacions de Catalunya (CTTC)		
	Stephan Pfletschinger	Phone: +34 93 6452915 e-mail: stephan.pfletschinger@cttc.es
ITTI		
	Henryk Gierszal	Phone: +48 61 6226 939 Fax: +48 61 6226 973 e-mail: gierszal@itti.com.pl

Table of Contents

1. Exploitable Knowledge.....	5
2. Dissemination	6
2.1 Web Site	6
2.2 Publications in international conferences and journals.....	6
2.3 Contributions to the international regulatory and standardisation process	7
2.4 Concertation and Cluster Meetings	7
2.5 Possible Liaisons with related Networks of Excellence	7
2.5.1 NEWCOM++.....	7
2.6 Workshops or seminars dedicated to the core technology of DAVINCI.....	7
2.7 Invited talks, keynotes, etc.	8
References	9

1. Exploitable Knowledge

It was found that the time lines of 3GPP LTE-Advanced and WiMAX 16m make it difficult to contribute relevant outcomes from DAVINCI, as can be seen in Fig. 1.

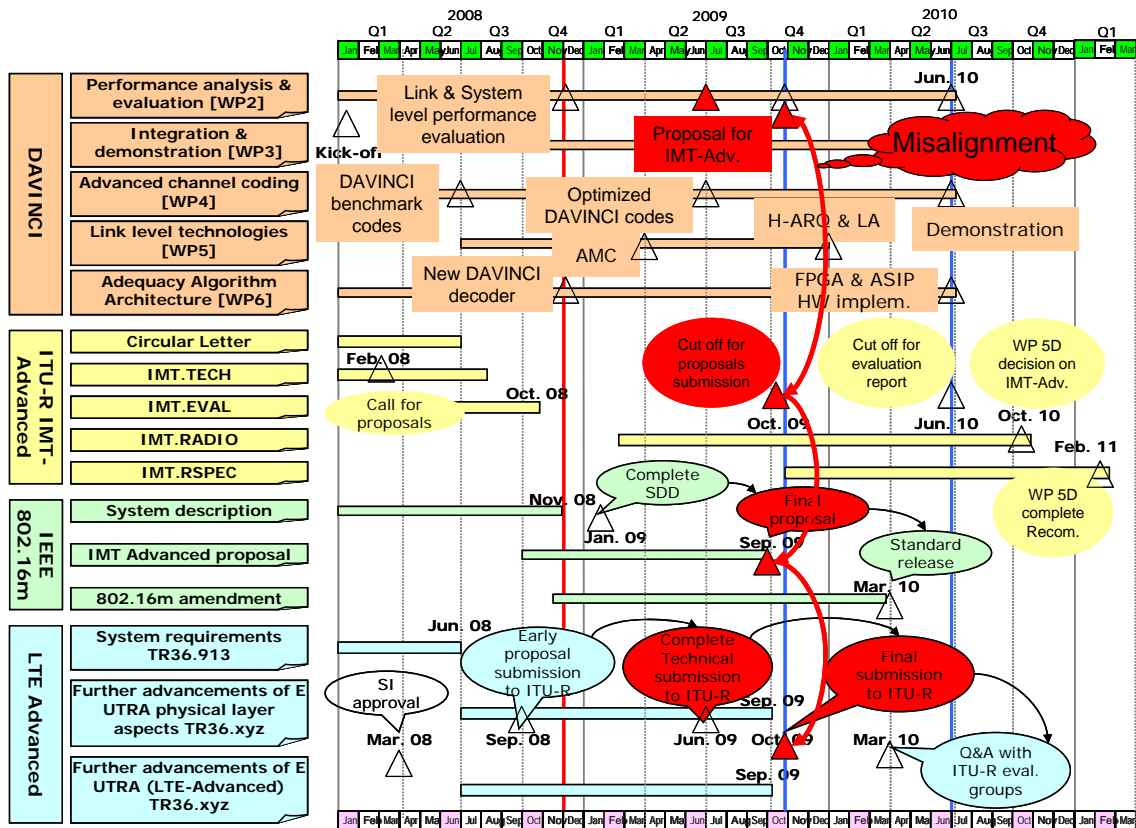


Figure 1: Time lines of DAVINCI, ITU-R IMT-Advanced, IEEE 802.16m and LTE-Advanced

For this reason, other relevant standards have been identified with more favourable time lines and good technical alignment:

- ETSI DVB-NGH (DVB-T2)
- IEEE 802.11ac, IEEE 802.11ad (targeting more than 1Gbits/sec)

An overview of the foreseen timing of DVB-NGH is given in Fig. 2.

NGH work scheduling

- CM-NGH starts 27.11.2008
- CM commercial requirements March - June 2009
- NGH CFT June 2009 (if "lucky")
- Start TM-NGH tech work Sept 2009
- Draft std DVB ready June 2010 (latest end 2010)

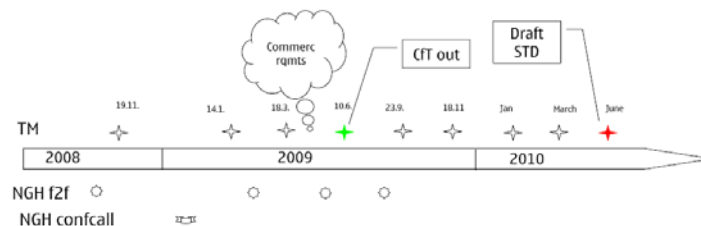


Figure 2: Planned time lines for DVB-NGH

A much more detailed description will be given in the second issue of the standardization plan [2], part of which has been presented at the first project review meeting.

2. Dissemination

Wide and targeted dissemination and exploitation is of particular importance for the DAVINCI project. The project partners are very active in ensuring that public awareness is raised and the results of DAVINCI become widely disseminated to targeted audiences in order to impact public and commercial decision-making as well as R&D investments. The ICT industry is one of the main target groups.

Five major means are used for the dissemination of knowledge:

- DAVINCI Web site for general information
- Publications in international conferences and journals
- Contributions to the international regulatory and standardisation process
- the ICT Concertation and Cluster meetings
- Workshops or seminars dedicated to the core technology of DAVINCI

The following actions help to achieve this objective:

- implement an alternative channel coding solutions to turbo codes
- introduce new coding schemes to wireless standards
- point out the new ways for development of channel coding

2.1 Web Site

DAVINCI web site (<http://www.ict-davinci-codes.eu/>) is one of the tools for dissemination of project aims and achievements. At the web site one can find:

- information about project objectives and results
- description of works done in all workpackages
- tutorial presentations (e.g. white papers)
- a mailing list with newsletters to which everyone can subscribe

2.2 Publications in international conferences and journals

DAVINCI will submit papers to renowned scientific publications. The procedures for acceptance of papers are quite lengthy, e.g. in case of IEEE Transactions it takes up to 18 months to reach acceptance. The following shows a list of candidate scientific journals, where research results in DAVINCI could get public awareness. This list isn't seen binding neither comprehensive, as during runtime of the project changes could result from the outcome of the work as well as changes in the scientific marketplace could reflect in alternative solutions for information publishing.

- IEEE Transactions on Communications
- IEEE Transactions on Information Theory
- IEEE Transactions on Wireless Communications
- IEEE Wireless Communication Magazine
- Eurasip Journal on Wireless Communications & Networking
- Eurasip Journal of Applied Signal Processing
- IEEE Journal of Selected Areas in Communications
- IEEE Journal on Selected Areas in Signal Processing
- IEEE Transaction on Vehicular Technologies
- Wiley European Transactions on Telecommunications
- Wiley International Journal of Communication Systems and Networks
- IEEE Communications Magazine
- IET Electronic Letters
- Elsevier Wireless Communications and Mobile Computing

Additionally, on <http://bscw.ict-davinci-codes.eu/bscw/bscw.cgi/288>, a list of relevant calls for papers of special journal issues and relevant conferences will be maintained.

DAVINCI is aiming for events with a high scientific standard and high visibility. The Project Management Team (PMT), from which a recommendation is given to the participants to consider submitting papers, discusses potential target conferences.

The following gives an overview from today's viewpoint, where DAVINCI results could contribute best possible to conference scopes.

Conference	Location	Date	Submission deadline
PIMRC 2009	Tokyo	13-16 Sept. 2009	15 June 2009
ICC 2010	Cape Town	23-27 May 2010	4 Sept. 2009
ITG Source and Channel Coding	Siegen	18-21 Jan. 2010	8 Sept. 2009
WCNC 2010	Sydney	18-21 April 2010	18 Sept. 2009
ICASSP	Dallas	15-19 March 2010	Oct. 2009
Globecom 2010	Miami	6-10 Dec. 2010	March 2010
European Wireless 2010	Lucca/Pisa	May 2010	
SPAWC 2010		≈ June 2010	
ICT Mobile Summit 2010		≈ June 2010	
EUSIPCO 2010	Aalborg	23-28 Aug. 2010	
ISIT 2010		≈ June 2010	
ITW 2010	Dublin	≈ October 2010	

2.3 Contributions to the international regulatory and standardisation process

Thanks to the strong commitment of some key partners within standardization bodies, the whole consortium will keep following the progress status of candidates to IMT-Advanced, and thus identify any suitable opportunity for valuable contributions promoting some key technologies of DAVINCI.

A detailed description of standards-related activities is given in [1] and will be updated in [2].

2.4 Concertation and Cluster Meetings

These events are organized by the European Commission and are important means to exchange results amongst ICT projects. DAVINCI is regularly participating at such meetings and contributing on special issues when appropriate. DAVINCI has placed its activities within the RAS cluster (Radio Access and Spectrum) and will search links with similar projects like PHYDYAS and WIMAGIC.

2.5 Possible Liaisons with related Networks of Excellence

2.5.1 NEWCOM++

NEWCOM++ (Network of Excellence in Wireless Communications, <http://www.newcom-project.eu:8080/Plone>) aims at creating a European network that links in a cooperative way a large number of leading research groups addressing the Strategic Objective “Mobile and wireless systems beyond 3G”, a frontier research area of the Priority Thematic Area of ICT.

The main dimensions of the NEWCOM++ vision are:

- Strengthening, development and integration of research in the field
- Empowerment of groups and individuals via dissemination activities
- Effective use of produced knowledge via exploitation-commercialization-standardization strategies.

The NEWCOM++ integrated research activities are divided into disciplinary and multidisciplinary activities. Multidisciplinary activities are: ad hoc and sensor networks, UWB and reconfigurable radio. Disciplinary activities deal with signal processing, MIMO, RF and microwave devices, protocols and architectures, traffic modelling and QoS provision.

DAVINCI has already established some cooperation with this NoE, being the joint workshop at the next ICT MobileSummit the most visible result.

2.6 Workshops or seminars dedicated to the core technology of DAVINCI

In order to bring close DAVINCI objectives and results, some workshops will be organized independently of special sessions at conferences or participation in other meetings. They will be held in partners' countries. They will be one- or two-day meetings focused on scientific and practical aspects of main topics, i.e., LDPC coding, link level solutions and implementation architectures.

2.7 Invited talks, keynotes at conferences

Although these activities cannot be planned explicitly, the consortium will nevertheless keep an eye open in order to seize opportunities for further dissemination, in the form of invited talks, keynote speeches, etc. A good example is the invited talk of Prof. E. Boutillon at the TAIMA conference in May 2009.

References

- [1] D7.2.1 Standardization & Regulatory Plan, issue 1, Nov. 2008.
- [2] D7.2.2 Standardization & Regulatory Plan, issue 2, Nov. 2009.