



CARBON BASED SMART SYSTEM FOR WIRELESS APPLICATION



Start Date : 01/09/12
Project n°318352

Duration : 36 months

Topic addressed : Very advanced nanoelectronic components: design, engineering, technology and manufacturability

WORK PACKAGE 7 : Project management

DELIVERABLE D7.8

Minutes of the T0+36 meeting

Due date : T0+36

Submission date : T0+37

Lead contractor for this deliverable : TRT

Dissemination level : PU – Public



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WORK PACKAGE 7: Project management

PARTNERS ORGANISATION APPROVAL

	Name	Function	Date	Signature
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Approved by:	Afshin Ziaei	Research Program Manager	28/10/15	

DISTRIBUTION LIST

QUANTITY	ORGANIZATION		NAMES
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1 ex	Laboratoire d'Architecture et d'Analyse des Systèmes	CNRS-LAAS	George DELIGEORGIS
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1 ex	Tyndall-UCC	Tyndall	Mircea MODREANU

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CHANGE RECORD SHEET

REVISION LETTER	DATE	PAGE NUMBER	DESCRIPTION
Template	07/2013	8	
V1	28/10/2015	10	Final version

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1 PARTICIPANTS

Date: 15th September 2015

Location: Scandic Linköping City Hotel

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2 AGENDA

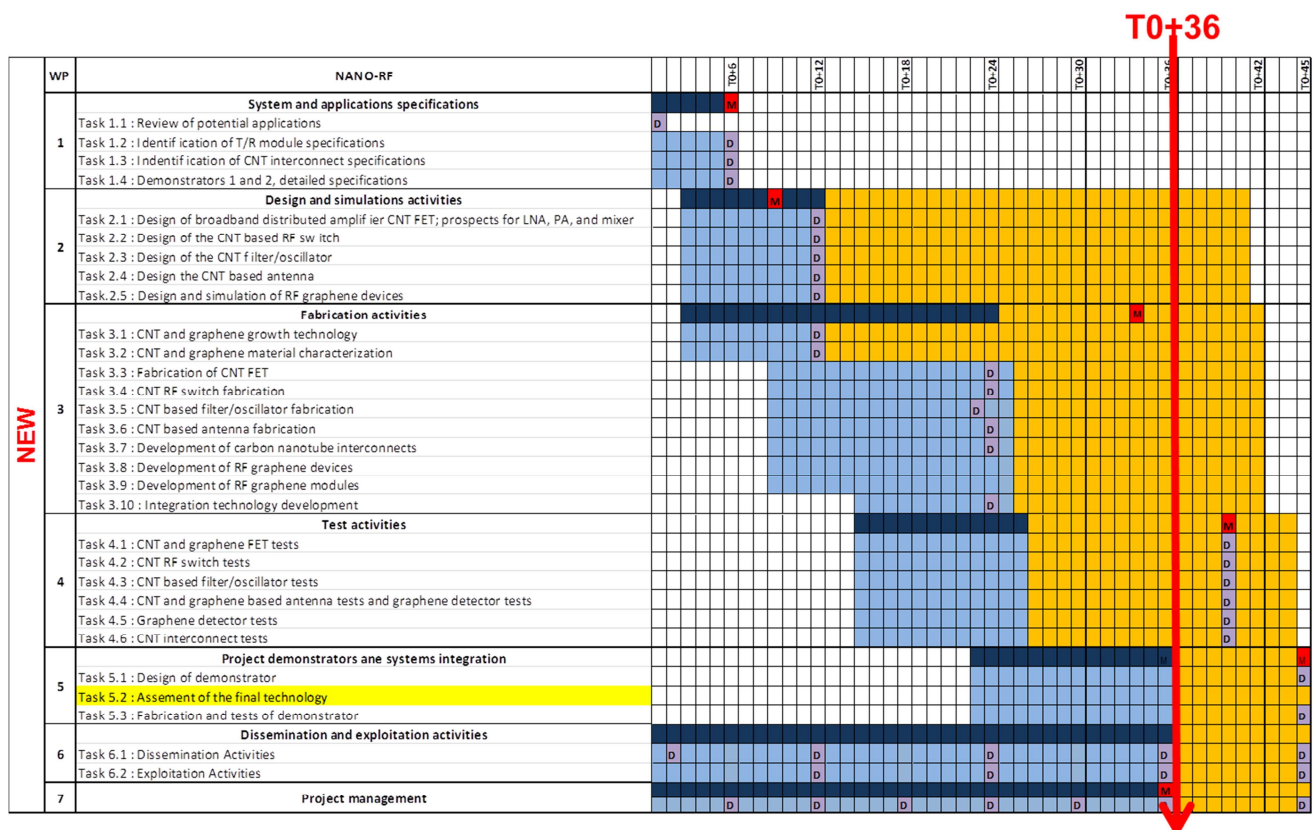
Tuesday 15 th of September		
9:00	Opening, Welcome and Agenda	
9:15 – 9:30	WP1 Presentations <ul style="list-style-type: none"> - Objectives & means - Schedule of main milestones & deliverables - Main results obtained on the period January-May 2014 	WP leader
9:30 – 9:45	WP2 Presentations <ul style="list-style-type: none"> - Objectives & means - Schedule of main milestones & deliverables - Main results obtained on the period May-Sept. 2014 	WP leader
9:45 – 10:30	Coffe Break	
10:30 – 10:45	WP3 Presentations Part-I <ul style="list-style-type: none"> - Objectives & means - Schedule of main milestones & deliverables - Main results obtained on the period May-Sept. 2014 	WP leader
10:45 – 12:30	Lunch	
12:30 – 13:30	WP3 Presentations Part-II	WP leader
13:30 – 15:30	Coffe Break	
15:30 – 15:45	WP4 Presentations <ul style="list-style-type: none"> - Objectives & means - Schedule of main milestones & deliverables - Main results obtained on the period May-Sept. 2014 	WP leader
15:45 – 16:30	- Final discussion / Working groups/Conclusions	WP leader
16:30 – 17:30	Dinner	

All the presentations made during the Progrees Meeting will be available as soon as possible on the website. We report here only the contents of the discussions that occurred during the presentations.

3 INTRODUCTION AND PROJECT OVERVIEW (A. ZIAEI, TRT)

Thanks to LiU to receiving us in Linkoping.

The project is at T0+36




Next meeting:

- 3rd review meeting will take place in **Brussel (Belgium)**, on the **12th of November (9am-5pm)**. Meeting between partner for the presentation preparation will be held the 10/11/2015 and 11/11/2015
- Next progress meeting (T0+40) will take place in **Barcelona (Spain)**, on the **12/01/2016 & 13/01/2016 January (9am-6pm)**.

For the activity report we need from each partner one page to summarize your work for the last 6 month (T0+30 – T0+36) ==> **end of September 2015**

For the management report, we need you cost and PM ==> **end of September 2015**

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For the e-newsletter, each partner must send few line to TRT to summarize his work (highlights for the first year of the project) ==> **end of September 2015**

Each partner have to send a list of publication for updating the Nano-RF website

4 WP PRESENTATIONS

4.1 WP 2 (M.ALDRIGO, IMT)

4.2 WP 3 (G. DELIGEORGIS, FORTH)

Overview of device status

Device	Simulation Design	Fabricated	Measured	Target performance*
Graphene FETs (SiC)	OK	Run_06 for end of October		
Graphene Antenna	OK	OK	OK	OK
Graphene Detector	OK	OK	OK	OK
Graphene LNA	Waiting for GFET's			
Graphene Mixer	Waiting for GFET's			
CNT FETs	OK	Run_06 for end of October		
CNT Switch	OK	OK		
CNT interconnect	OK	OK	OK	OK
CNT Antenna	OK	OK pending measurements	Beginning October	
CNT filter/oscillator	OK	Run 02 for end of October		
CNT LNA	Waiting for CNTFET's			
CNT HPA	Waiting for CNTFET's			

- **CNT antenna :**
 - o Measurement 1st and 2nd design : first week of October (LAAS/UPMC)
 - o 3rd design : Middle of October (TRT/SHT)
- **CNT switch :**
 - o CNT growth (DC switch) : 9 october (SHT)
 - o DC measurement : End of october (LAAS/IMT/TRT)
 - o RF switch fabrication : november
- **CNT Interconnect :**
 - o GDS modification: end of the week (FORTH/CHALMERS)
 - o Fabrication : Middle of october (SHT/CHALMERS)
 - o RF measurement : review meeting (FORTH/LAAS)

- **CNT Filter:**
 - o Fabrication (CNTs growth): Mid of october (SHT)
 - o RF measurement : end of october (IMT)
- **CNT FET :**
 - o Send sample with HCNTs to Forth : End of the week
 - o ALD deposition (outside of the consortium) : end of September
 - o Fabrication : end of october
 - o Measurement : review meeting
- **CNT LNA/HPA:**
 - o Simulation/design : first half of November (IMT/LAAS)

- **Graphene FET**
 - o ALD deposition (outside of the consortium) : end of September
 - o Fabrication : end of October
 - o Measurement : review meeting
- **Graphene antenna**
 - o Send sample to LAAS : as soon as possible
 - o End of the fabrication : end of October (IMT)
 - o Measurement : November (LAAS)
- **Graphene detector:**
 - o OK
 - o New fabrication : not the priority
- **Graphene LNA/HPA**
 - o Simulation/design : first half of october (IMT)

4.3 WP 6 (A. ZIAEI, TRT)


Publications can be uploaded and the bibliographic details entered.

All partners need to send few lines to summarize the work for the newsletters

4.4 WP 7 (A. ZIAEI, TRT)

For the activity report we need from each partner one page to summarize your work for the last 6 month ==> **end of September**

For the management report, we need you cost ==> **end of September**

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5 REVIEW OF WORK & ACTION LIST

Description	Date	Leader
Two page for the activity report	End of September	TRT
Cost and PM for the management report	End of September	TRT
Few lines for the e-newsletter	End of September	TRT
Send list of publication/conference to TRT	End of September	TRT
SHT send sample with horizontal CNT to FORTH for processing	ASAP	SHT/FORTH
FORTH send sample with graphene layer to Tyndall for HfO ₂ deposition test	ASAP	FORTH/Tyndall
SHT send sample with CVD graphen to FORTH and TRT for Raman characterization	ASAP	SHT/FORTH
Discussion LAAS/FORTH concerning graphene module	ASAP	FORTH/LAAS
Review meeting: Brussels, 12th November	November 2015	ALL
Next progress meeting: ICN, Barcelona 12 & 13 January 2016	January 2016	ALL