

**Source: TSG-RAN**

**Title: Study Item sheets - history**

This document contains Study Item sheets in TSG-RAN for all approved Study Items that have been finished. The SI sheets of the approved and finished WIs are provided in a separate document, RAN\_Work\_Items\_History. The SI sheets for current SIs can be found in RAN\_Study\_Items.

The finished Study Items at the end of TSG-RAN #11 are:

2. High speed downlink packet access

## **1 Radio link performance enhancements**

**This SI has not finished yet. See RAN\_Study\_Items.**

## 2. High speed downlink packet access

Last distributed as: RAN\_Study\_Items\_after\_RAN\_9 (originally RP-000032)

### Study Item Description

#### Title

High Speed Downlink Packet Access

#### 1 3GPP Work Area

X	Radio Access
	Core Network
	Services

#### 2 Linked work items

*None*

#### 3 Justification

This work item proposes to study enhancements that can be applied to UTRA in order to provide very high speed downlink packet access. It's aim is to identify a long term evolution path for the UTRA air interface.

#### 4 Objective

It is proposed that the study should include, but not be restricted to, the following topics:

- Adaptive modulation and coding schemes
- Hybrid ARQ protocols
- Position of the scheduling function within UTRAN
- Other advanced techniques

[note: Technical details of one proposal can be found in TDoc 126]

#### 5 Service Aspects

*Probably none– better support of existing packet data services*

#### 6 MMI-Aspects

*None*

#### 7 Charging Aspects

*None– uses existing packet data charging schemes*

**8 Security Aspects**

*None*

**9 Impacts**

Affects :	USIM	ME	AN	CN	Others
Yes		X	X		
No	X			X	
Don't know					

**10 Expected Output and Time scale (to be updated at each plenary)**

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
TR	Evaluation of High Speed Downlink Packet Data Service	R2	R1, R3, R4	RAN #10	RAN #11	New technical report
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	

The technical report should present the results of the study and make a recommendation for which techniques should be incorporated into future releases of the standard. The report should also detail the work items descriptions necessary to continue this work.

**11 Work item rapporteurs**

**Amitava Ghosh, Motorola**

**12 Work item leadership**

TSG-RAN WG2

**13 Supporting Companies**

TSG-RAN

**14 Classification of the WI (if known)**

	Feature (go to 14a)
	Building Block (go to 14b)
	Work Task (go to 14c)

14a The WI is a Feature: List of building blocks under this feature

(list of Work Items identified as building blocks)

14b The WI is a Building Block: parent Feature

(one Work Item identified as a feature)

14c The WI is a Work Task: parent Building Block

(one Work Item identified as a building block)

### **3 USTS**

**This SI has not finished yet. See RAN\_Study\_Items.**

#### **4 Feasibility Study for Improved Common DL Channel for Cell-FACH State**

**This SI has not finished yet. See RAN\_Study\_Items.**

## **5 Feasibility Study of UE antenna efficiency test methods performance requirements**

**This SI has not finished yet. See RAN\_Study\_Items.**



## **6 Fast Cell Selection (FCS) for HS-DSCH**

**This SI has not finished yet. See RAN\_Study\_Items.**

## **7 Improvement of Radio Resource Management across RNS and RNS/BSS**

**This SI has not finished yet. See RAN\_Study\_Items.**

## **8 Mitigating the Effect of CPICH Interference at the UE**

**This SI has not finished yet. See RAN\_Study\_Items.**

## **9 Re-introduction of the downlink SIR measurement**

**This SI has not finished yet. See RAN\_Study\_Items.**