

Telecommunications Engineering Department Yarmouk University

Work package No. 7
Deliverable number: 20
Title: An Electronic Database
Period: 4 month (due by April, 1st)
Dr. Haythem Bany Salameh

Work Group members

- Dr. Haythem Bany Salameh
- Dr. Ossamah Badarneh
- Dr. Mhammed Bataineh
- Computer center staff
 - Ahmed Ziot
 - Khalil Karasneh
- DCU representative (John Whelan)

An Electronic Database

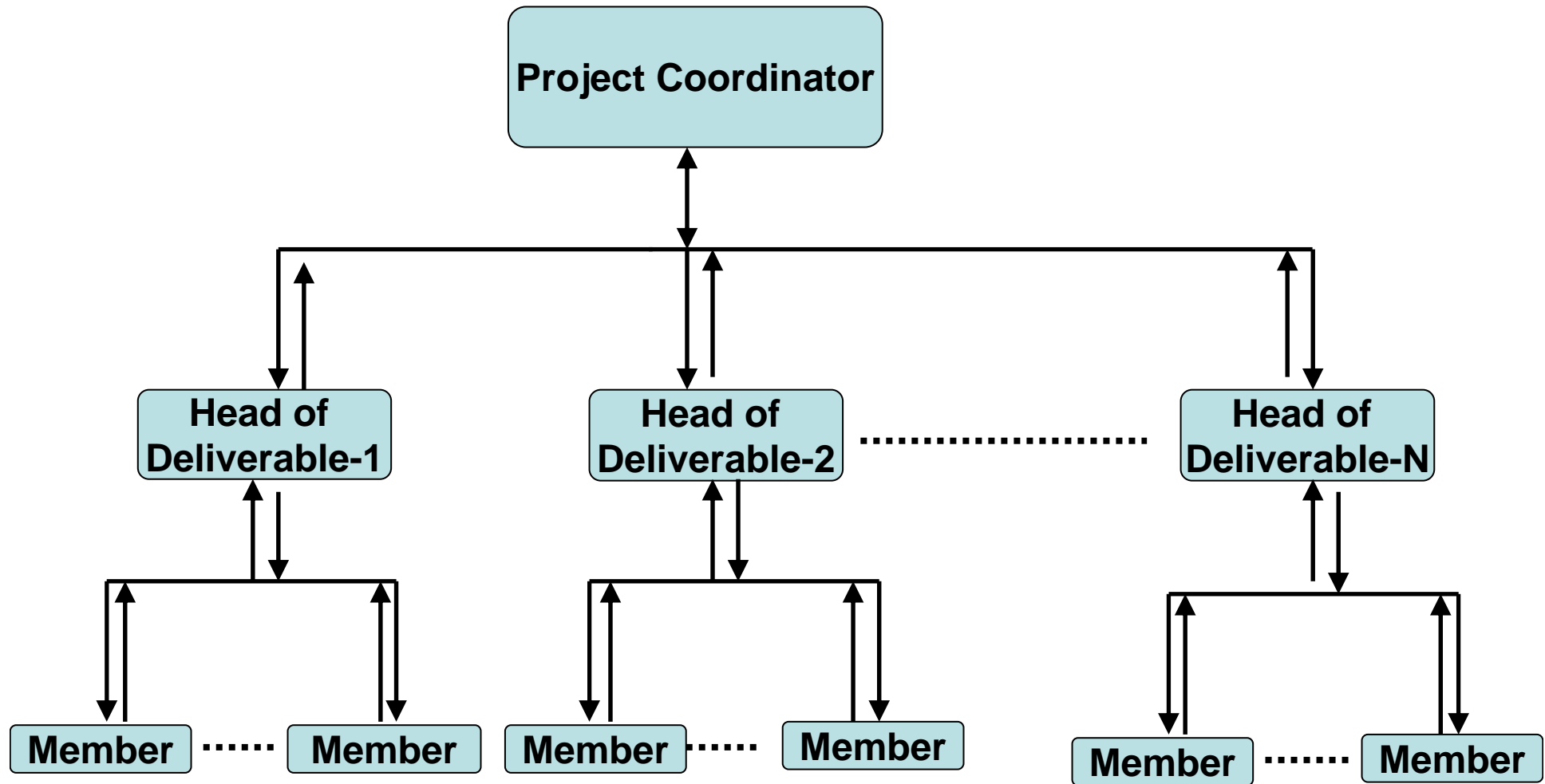
- **Objective:** Develop an e-database & e-reporting system for the project to
 - Organize the implementation of project activities
 - Distribute tasks of various project activities
 - Report & submit completed tasks
 - Document project management activities
 - Measure level of implementation/progress
 - Submit time sheets and convention forms
 - Manage the budget and time (its contents will be input to the progress and budget reports)

- How the methodology was developed
- Meetings+MOM
 - 3 meetings
 - Email exchanges
- Timeline

E-Database Structure

- The e-database will be structured in **Hierarchical** manner
 - Each deliverable of work package will be assigned to workgroup which will be led by **group head**
 - All group heads are directly connected to the coordinator
 - A head of a group can only send tasks (access uploaded data/reports) to (by) the members of his group
 - Project coordinator can send tasks (access uploaded data) to (by) members after approved by group heads

E-Database Structure



E-Database Functionalities

Required functionalities

- Password protected with different access rights to different participants depending on their roles in a given workgroup
- Once tasks are assigned, participating members will be automatically notified by email
- Due date timer to each given task will be available
- Once tasks are completed, time sheets & convention forms are submitted to project coordinator by workgroup heads

E-Database Requirements

- ❑ Windows 2008 server R2 Operating System and SQL Server 2008R2 edition for Database will be used
- ❑ To function correctly, a web-server is needed to implement the e-database for the project with the following minimum requirement:
 - Quad-Core Intel
 - At lease 32GRAM
 - High power efficiency and cooling design
 - Memory protection features include memory mirroring

Where We Are

- ❑ We are in the process of purchasing the web-server
- ❑ The e-database structure & implementation are ready to be installed
- ❑ The e-database should be available for use in **3 weeks** after purchasing & installing the web-server
- ❑ The project's web-server will also be used to host project's website for better reliability, sustainability, accessibility, and security