eNAQ II: A Prototype for an electronic Version of the UN National Accounts Questionnaire for SNA 2008

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The study is the result of 1.5 man-years software development and engineering efforts under the guidance of Lenz. Requirement engineering was mostly done by Müller for SNA 93 being temporarily hosted by NA/UNO headquarters at New York, and by Chorus for SNA 2008. The design of eNAQ valid for SNA 93 was done by Eichler and Müller as part of a diploma thesis, and its implementation was performed by Eichler at the Dept. of Production, Information Systems and Operations Research, Freie Universität, Berlin. The overall objective was and still is the development of a prototype and proof-of-concept of an electronic National Accounts Questionnaire (eNAQ) for the United Nations, Statistics Division and its about 220 membership countries. Presently, Chorus is reengineering the eNAQ system under some guidance by Lenz and Müller. The talk will focus on the analysis of the present NA system – especially, SNA 2008 - and the requirement engineering for the new eNAQ, called eNAQ II. Some details about the system design and implementation of eNAQ II will presented. The present platform used for the prototype eNAQ and eNAQ II is an IBM pseries 620, on top of which a DB/2 database engine under AIX is used. Note, that this paper only summarises the main features of the current prototype of an electronic National Accounts Questionnaire to be used, but not massive technical details of software engineering. The authors hope to proceed by stepwise improvements, and to get support jointly by UNO and Freie Universität Berlin for maturing eNAQ II in such a way that its quality, performance and user-friendliness by the UN staff and a NA expert of any UN membership country will meet expectations. This talk consists of four main parts. Part 1 presents the hors d'oeuvre. Part 2 describes the current communication, collaboration and data production system at the NA/UN headquarter, New York, and its challenges and limitations. Part 3 presents the gross design and a flavour of implementation of the prototype with SNA 2008 perspectives. The last part 4 presents some major benefits of the new system eNAQ II. It should be noted that this talk due to the authors' scientific independence does not necessarily represents the view of NA/UNO.