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Memo CP-C/361.

DATE: September 26, 2005
TO: Distribution
FROM: D. Rochman
SUBJECT: An EXFOR Editor

Dear all,

I would like in the following to present my arguments to support the development of an editor for compilation in the EXFOR format. This memo is in preparation of the 2005 NRDC meeting.

A similar product already exists for the purpose of CINDA compilation, developed by V. Zerkina and presented at NNDC in 2005. I was impressed by the quality of this work and I certainly recommend the same kind of product for the EXFOR format. Based on the capacities of the CINDA editor, the EXFOR editor will help me, as a new compiler, in the following manner:

- Avoiding spending time to follow the 67 characters limit of the EXFOR format. It would be possible to write like in any text editor and to create the EXFOR format at the end.
- Avoiding common mistake of misplaced keywords or brackets.
- Help to access the final version of the dictionaries faster. This is important when one is looking for an institute code or a reaction code. As a new compiler, I need time to find the right code for lot of different fields.
- Use of an integrated checking program. It would be convenient to access the checking program directly from the editor.

In conclusion, this editor would save me lot of time in the formatting process (as a new compiler). We agreed at NNDC to hire a student to help us in the development of the editor in the Java language, last July. But as V. Zerkina kindly proposed to spend a part of his time for this project, based on his recent progress with the CINDA editor, we prefer to follow V. Zerkina's recommendations.

It would be useful to discuss this matter at our next NRDC meeting.

Best regards,

Dimitri

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