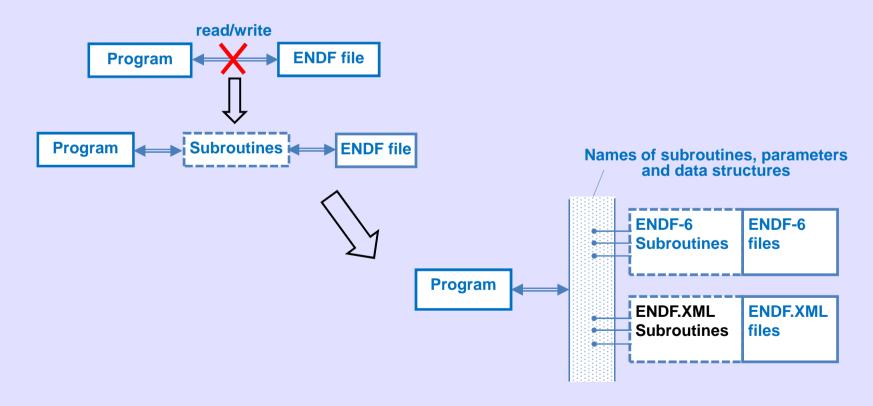
Requirements for a new nuclear data format: proposals from the IAEA-NDS

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Software and Database Requirements:

- 1. Interface software for the new format (API to read/write data from/to the files and define internal data structures):
 - (a) library for Fortran is necessary,
 - (b) C/C++ and Java libraries are desirable



Software and Database Requirements:

2. Attributes with ENDF-6 identifiers providing compatibility with existing programs and ENDF-6 Format Manual with unique and exact interpretation, e.g. order of X and Y scales in interpolation law is different in ENDF and ENDL:

```
ENDF_NP="2" (number of pairs (x and y))
ENDF_INT="3" (interpolation scheme identification number)
```

- 3. Provide reaction definition compatible with EXFOR where it is possible and appropriate
- 4. Provide compatibility of low-level data containers with planned EXFOR.XML where possible

Evaluator's requirements

Evaluation input parameters must be stored for QA:

- 1.Experimental inputs:
 - 1. list of selected EXFOR datasets and additional data.
 - 2. discarded EXFOR datasets
 - 3. all data corrections (renormalization)
- 2. Modelling inputs:
 - 1. Code version used
 - 2. Input file for the code (Input file could be replaced by a description based on RIPL + additional information used)

Processing

Standard processing modules and the tools handling the new format/files: checking, verification and processing codes, like Fudge, PrePro, etc. should be publicly available.

End