WP5, Task 5

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Quality Assurence of data and resourses

This task is devided in two parts:

1. Quality control of the data
2. Quality control of the user's request

The first part performs by VALD consortium (T. Ryabchikova, A. Ryabtsev, N. Piskunov) together with A. Fazliev (IAO).
We produced unified description of VALD atomic transitions for a subsequent translation them to XSAMS format. Electronic configurations and term names are described according to the schema used in NIST. A special code which checks transitions for the selection rules is also developped (A. Fazliev).

Data from Kurucz website and from DREAM database, which are extracted via VALD selection tools are checked according to proposed description and converted to unified VALD format.

The second part is performing by Yu. Pakhomov (INASAN) in cooperation with the participants of WP7. The schema is appended (file pakhomov_work.pdf).

This combined activity allows to prepare VALD as a prototype for demonstration of VAMDC working schema by the end of the first year.