



data analyse and optimization solution

## *daos 2.5 with Rule Engine for Automatic Error Analysis*

### Challenge

Creation of a sophisticated and flexible 'Automatic Error Analysis' method to find the reasons for rejections in huge amount of billing-relevant xDR data. Helping to find the needle in the haystack - which is the reason for losing millions of Euro. This unique new functionality will give users of DAOS the ability to analyze and correct millions of erroneous xDR data as fast as possible under audit ability conditions. The Automatic Error Analysis functionality of DAOS 2.5 realizes complex detail checks to improve active Revenue Recovery.

### Solution

**Flexible Rule Engine for Automatic Error Analysis** includes:

- Standard checks (e.g. check of mandatory fields, of value ranges, etc.)
- xDR Format specific checks (e.g. check of Header/Trailer, etc.)
- Customized checks (e.g. for special customer scenarios, etc.)
- Plausibility check (if the date really exists, e.g. leap year, etc.)
- Macro definition to generate automatic data selections
- Concurrent automatic analysis and display of multiple errors
- Dedicated report to every automatic recognized error within the xDR data

### Added value

The new functionality enables the user of DAOS to analyze millions of rejected xDRs automatically to find the reasons for rejections to run the correction process with DAOS as fast as possible. The quality of the analysis of rejected data increases dramatically. The user of DAOS is now able to correct more erroneous data in a shorter time under an audit ability environment. Beside others the obvious added values are lower operation costs of DAOS and an improvement of the Revenue Recovery success, resulting in more additional profit.