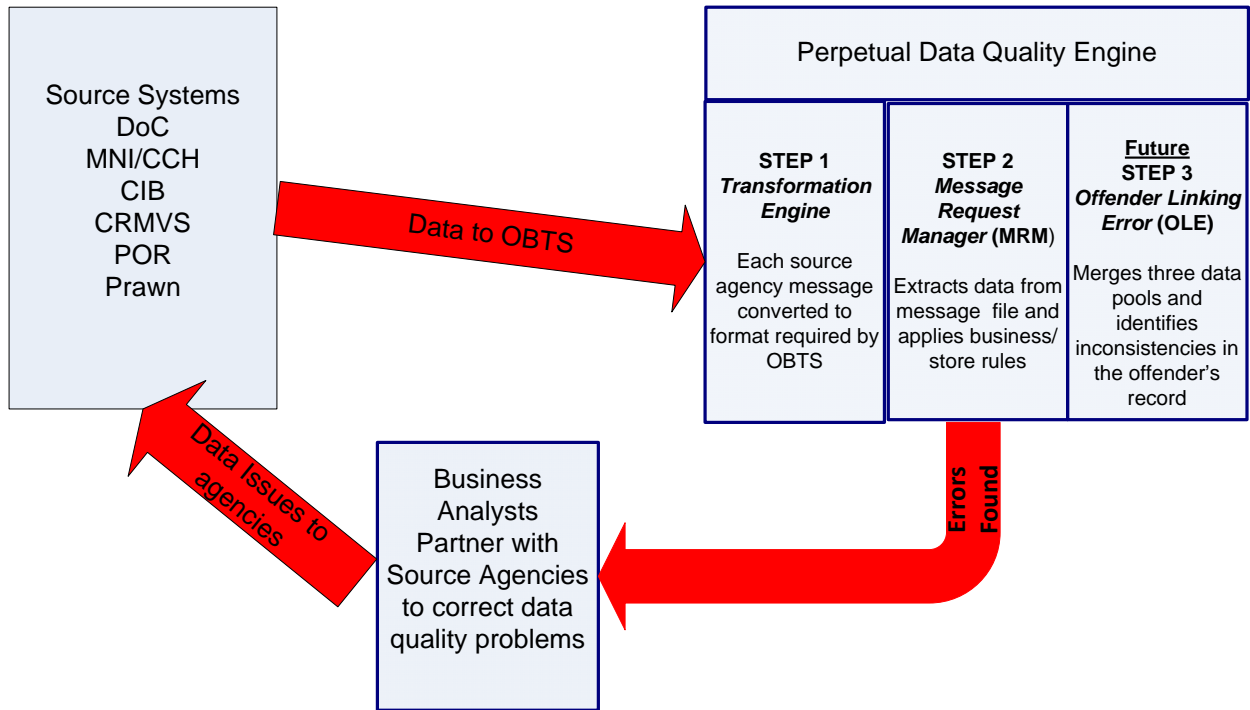


## Perpetual Data Quality Engine



Offender Based Tracking System (OBTS) must process messages as quickly and accurately as possible due to the heavy reliance law enforcement officers have on the accuracy of the data. Errors can have an immense impact on the ability to protect the community. These can include anything from misspelled names and identification numbers to the location of the offender. It is important to implement a perpetual quality assurance model that will have data monitors continuously checking for errors and reporting these back to its source system to be corrected. This model will be made generic so it can be used in each system reporting information to the three databases (Offender Based Tracking System, CT Impaired Driving Records Information System, and the CT Information Shared System). When an error is detected in each of the three processing steps, it is sent to a business analyst who will then fix it, if able, and send the report back to the source system it came from. The error must then be fixed and sent through the process again. If a source system takes too long to correct the error an escalation process is activated that will alert management that attention is needed.