

Database Transcription application is designed to transcribe the following types of data from the SCADA database into relational database products on PCs:

- current data
- historical data
- operation logs
- event data (including SOE)

Current data is transcribed by updating columns in pre-defined rows of target tables. The other types of data are transcribed by adding rows to target tables. Transcription schedules (what to transcribe and where and when to transcribe it) are user-defined. Current data can also be transcribed from a relational database back into points in the SCADA system, if desired. This makes the transcription program a useful bi-directional interface to non-SCADA applications that read inputs from a relational database and write results back into the relational database. The following target relational databases are presently supported:

- Microsoft SQL Server
- MySQL
- Microsoft Access
- Oracle
- Sybase
- Informix

The transcription program connects to a database server on the active SCADA host computer. On a restart or failover of the SCADA system, the transcription program automatically re-connects to the database server on the new active host computer. Transcription uses Universal Data Link (UDL) files to connect to target relational databases.