```
Digital Meter        ETDS Service            WAPDA Line Man
      |                    |                       |
      |---Report Consumption----->|               |
      |                    |                       |
      |               |---Process Consumption Data----->|
      |                    |                       |
      |               |<------Mapped Output Lines-------|
      |                    |                       |
      |               |----Check Theft Threshold------->|
      |                    |                       |
      |               |<-----Theft Detected/Reported----|
      |                    |                       |
      |---Theft Notification----->|               |
      |                    |                       |
      |               |-------Generate Notification--->|
      |                    |                       |
      |               |<------Notification Generated---|
      |                    |                       |
      |               |--------Assign Line Man---------->|
      |                    |                       |
      |               |<-----Line Man Assigned-----------|
      |                    |                       |
      |---Line Man Investigation>|                |
      |                    |                       |
      |               |-----Investigate Theft Line----->|
      |                    |                       |
      |               |<-------Investigation Result------|
      |                    |                       |
      |---Theft Confirmation---->|                 |
      |                    |                       |
      |               |-----Confirm Theft Occurrence--->|
      |                    |                       |
      |               |<-----Theft Confirmed/Reported----|
      |                    |                       |
```