TASK 9 - Tickerplant Concepts

NECESSARY KNOWLEDGE

- n/a

I. AIM

The aim of this task is to understand the purpose and operation of a tickerplant (**TP**).

II. INFORMATION

The **TP** allows clients, for instance a real time database (**RT**) downstream of the **TP**, to subscribe to it and receive information as both realtime data and through logs. The primary function of the **TP** is to log the data coming from the **FH**. When messages arrive into the **TP** they have been parsed by the **FH**, these then need to be logged to disk.

Therefore, the first main function of the **TP** is message/event logging. The purpose of logging is for client subscribers to be able to recover intraday (past) data if needed. For example on **TP** subscription the RT will get the logname back from **TP**. It will then use this logname to replay the data while receiving published events at the same time. To avoid ending up with duplicate data, **TP** also keeps track of a sequence number, which RT relies on as a cutoff point when replaying data.