**Explanation to S2-2306737 and S2-2306728**

**Type:**

These are type “C”: functional modification of feature.

**Remove of EN:**

It’s for the EN: Whether to register Time interval supporting FL to the NRF is FFS.

**Necessary of adding:**

S2-2304662 added time interval information when FL client selection happened, which was approved in #156e.

Based on the EN and S2-2304662 modification, it is necessary to along add computing resource usage and data transmission bandwidth usage (among NWDAF FL clients and FL server) , if available.

**Reason:**

Request on computing resource and data transmission bandwidth usage (among NWDAF FL clients and FL server) differs during FL process, in FL client.

From federated learning efficiency perspective, federated learning is divided into three stages: sample alignment, feature engineering, and federated training.

Data exchange with large network bandwidth is requested in sample alignment.

Computing resource is the major need in feature engineering.

Frequent data exchange with tiny network bandwidth need and small proportion of computing resource are used in federated training.

Thus, information about computing resource load and data transmission bandwidth usage (among NWDAF FL clients and FL server) of a NWDAF as FL client is provided for reference to FL server. The information about computing resource load and data transmission bandwidth could be carried in NF profile via heartbeat procedure.

**Action:**

S2-2306737 modifies FL client selection to consider the above two pieces of information in TS.23.288.

S2-2306738 updates the two pieces of information in NF profile and FL client discovery, in TS.23.501.