Ternary Relationship, replaced by two binary relationships, and the corresponding schema

Degree of relationship represents the number of participating entity sets in a relationship. Binary relationship – a relationship that involves two entities. Ternary (N-ary) relationship – a relationship that involves three (N) entities. This ternary relationship can and should be replaced by two binary relationships. Initial ternary relationship:

![Initial ternary relationship diagram]

Two binary relationships to replace it:

![Two binary relationships diagram]

Resulting schema:

- Serviced_By (CENTER_ID, SERVICE_NO)
- Service_Center (CENTER_ID, NAME, ...)
- Company (COMPANY_ID, NAME, ...)
- Service (SERVICE_NO, RATE)
- Provided (SERVICE_NO, COMPANY_ID)