Entity Relationship Diagram to Relational Schema Mapping

1. Entity Mapping
    a. USER[PhoneNum, AcctBal, Fname, Lname, Gender, DoB]
    b. ICP[ABN, Name, Domain, AcctBal]
    c. CREATOR[ABN, Name, OfferDesc, AcctBal]
2. Weak Entity Mapping
    a. REQUEST[DateTime, User, Approval, Price]
        i. User is a FK and partial key
    b. SERVICE[Name, ICP, Desc]
        i. ICP is a FK
    c. PACKAGE[ICP, Name, Desc]
        i. ICP is a FK and partial key
    d. CONTRACT[ICP, Cnum, Rank, Effective, CreationDate, EffectiveDate, TerminationDate]
        i. ICP is a FK and partial key
    e. CATEGORY[ICP, Name, Desc]
        i. ICP is a FK and partial key
    f. MATERIAL[Cname, Name, Desc, Type, Expiry, CreationDate]
        i. Cname is a FK and partial key
3. Binary 1:1 Relationship Mapping
    a. There are no Binary 1:1 relationships in my ER diagram
4. Binary 1:N Relationship Mapping
    a. REQUEST[DateTime, User, Approval, Price, ICP, Mname, Mcreator]
        i. ICP, Mname, Mcreator are FKs
    b. CONTRACT[ICP, Cnum, Rank, Creator, Effective, CreationDate, EffectiveDate, TerminationDate]
        i. Creator is a FK
    c. CATEGORY[ICP, Name, ParentICP, ParentName, Desc]
        i. ParentICP, ParentName are FKs
5. Binary M:N Relationship mapping
    a. PSUBSCRIPTION[User, PackageICP, PackageN]
        i. User, PackageICP, PackageN are FKs and form the primary key
    b. SSUBSCRIPTION[User, ServiceN, ServiceICP]
        i. User, ServiceN, ServiceICP are FKs and form the primary key
    c. SERV_PACK[Sname, ICP, Pname]
        i. Sname, ICP, Pname are FKs and form the primary key
    d. SERV_MAT[Sname, SICP, Mcreator, Mname]
        i. Sname, SICP, Mcreator, Mname are FKs and form the primary key
    e. WHOLESALE[Mcreator, Mname, CICP, Cnum, Price]
        i. Mcreator, Mname, CIPC, Cnum are FKs and form the primary key
        ii. Price is an attribute of the relation
    f. CATEGORIZATION[CICP, Cname, Mname, Mcreator]
        i. CICP, Cname, Mname, Mcreator are FKs and form the primary key
6. Multi-valued Attribute Mapping

a. USER_ADDRESSES[User, Atype, Address]
    i. User is a FK and partial key
    ii. Atype is a partial key
    iii. Address is the non-key attribute
b. USER_EMAILS[User, Etype, Email]
    i. User is a FK and partial key
    ii. Etype is a partial key
    iii. Email is the non-key attribute
c. USER_PHONES[User,Ptype, PhoneNum]
    i. User is a FK and partial key
    ii. Ptype is a partial key
    iii. PhoneNum is the non-key attribute
d. ICP_ADDRESSES[ICP, Atype, Address]
    i. ICP is a FK and partial key
    ii. Atype is a partial key
    iii. Address is the non-key attribute
e. ICP _EMAILS[ICP, Etype, Email]
    i. ICP is a FK and partial key
    ii. Etype is a partial key
    iii. Email is the non-key attribute
f. ICP _PHONES[ICP,Ptype, PhoneNum]
    i. ICP is a FK and partial key
    ii. Ptype is a partial key
    iii. PhoneNum is the non-key attribute
g. CC_ADDRESSES[Creator, Atype, Address]
    i. Creator is a FK and partial key
    ii. Atype is a partial key
    iii. Address is the non-key attribute
h. CC_EMAILS[Creator, Etype, Email]
    i. Creator is a FK and partial key
    ii. Etype is a partial key
    iii. Email is the non-key attribute
i. CC_PHONES[Creator,Ptype, PhoneNum]
    i. Creator is a FK and partial key
    ii. Ptype is a partial key
    iii. PhoneNum is the non-key attribute

My entity relationship diagram does not have any N-ary relationships nor super and sub-classes. I can stop after 6 steps.