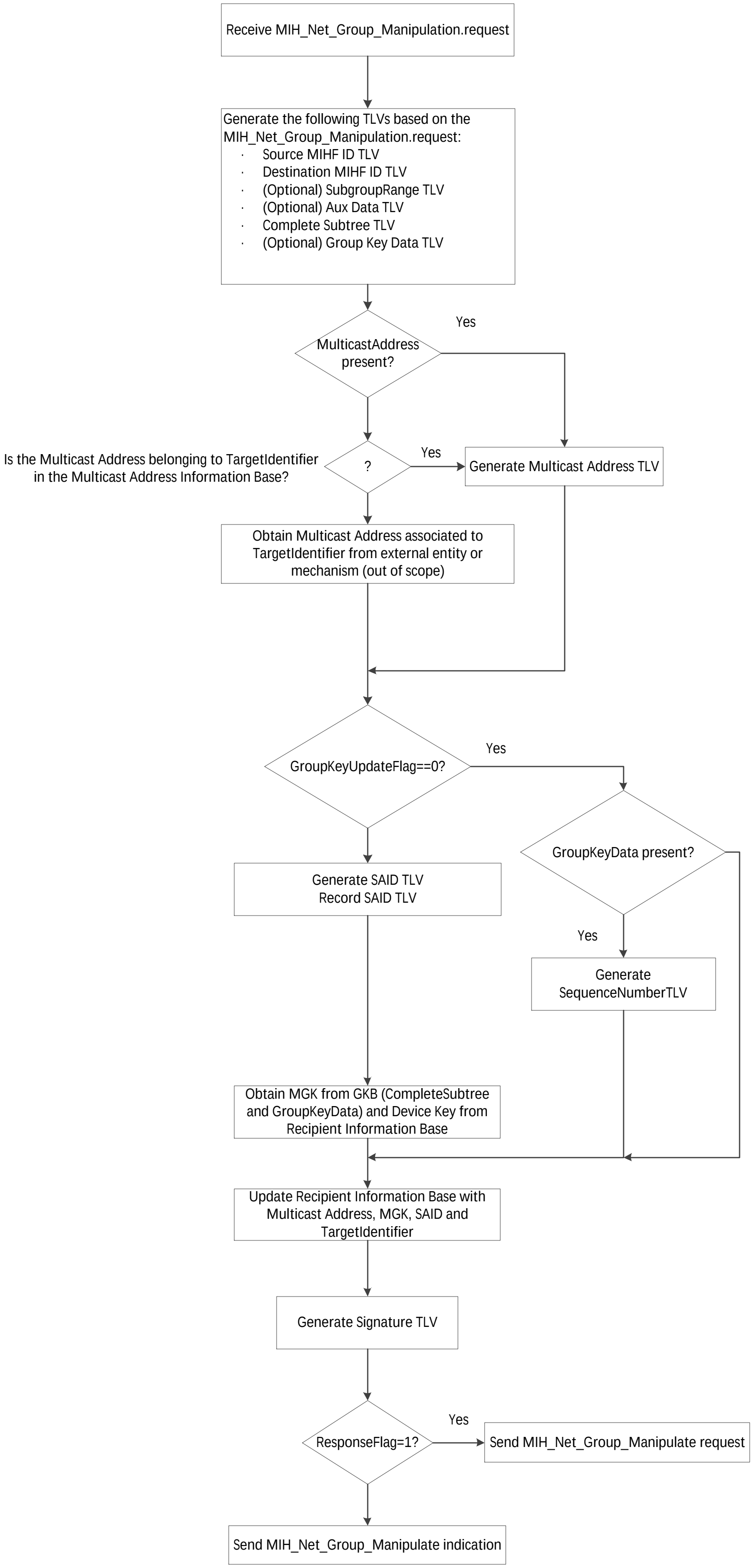
Receive MIH_Net_Group_Manipulation.request
Generate the following TLVs based on the MIH_Net_Group_Manipulation.request:
· Source MIHF ID TLV
· Destination MIHF ID TLV
· (Optional) SubgroupRange TLV
· (Optional) Aux Data TLV
· Complete Subtree TLV
· (Optional) Group Key Data TLV
MulticastAddress present?
Yes
Is the Multicast Address belonging to TargetIdentifier in the Multicast Address Information Base?
?
Yes
Generate Multicast Address TLV
Obtain Multicast Address associated to TargetIdentifier from external entity or mechanism (out of scope)
GroupKeyUpdateFlag==0?
Yes
GroupKeyData present?
Generate SAID TLV
Record SAID TLV
Yes
Generate SequenceNumberTLV
Obtain MGK from GKB (CompleteSubtree and GroupKeyData) and Device Key from Recipient Information Base
Update Recipient Information Base with Multicast Address, MGK, SAID and TargetIdentifier
Generate Signature TLV
ResponseFlag=1?
Yes
Send MIH_Net_Group_Manipulate request
Send MIH_Net_Group_Manipulate indication