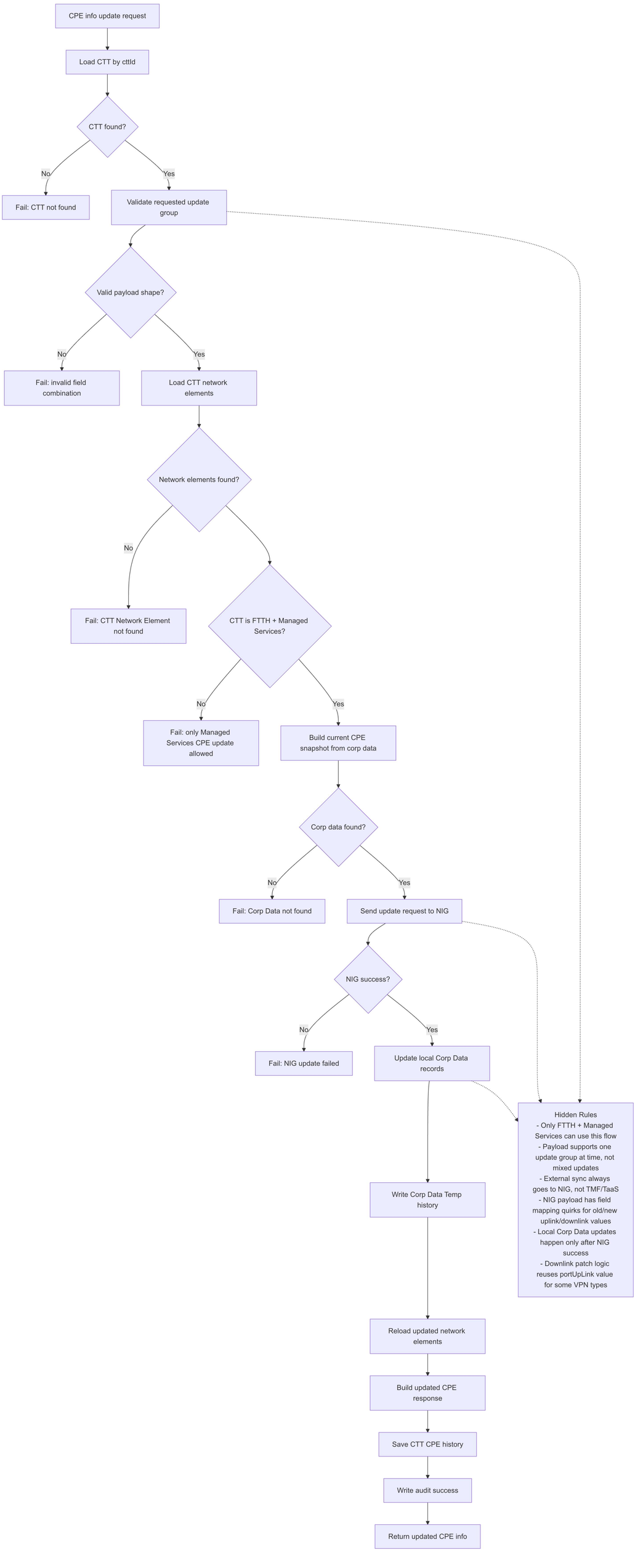
CPE info update request
Load CTT by cttId
CTT found?
No
Yes
Fail: CTT not found
Validate requested update group
Valid payload shape?
No
Yes
Fail: invalid field combination
Load CTT network elements
Network elements found?
No
Fail: CTT Network Element not found
CTT is FTTH + Managed Services?
No
Yes
Fail: only Managed Services CPE update allowed
Build current CPE snapshot from corp data
Corp data found?
No
Yes
Fail: Corp Data not found
Send update request to NIG
NIG success?
No
Yes
Fail: NIG update failed
Update local Corp Data records
Hidden Rules
- Only FTTH + Managed Services can use this flow
- Payload supports one update group at time, not mixed updates
- External sync always goes to NIG, not TMF/TaaS
- NIG payload has field mapping quirks for old/new uplink/downlink values
- Local Corp Data updates happen only after NIG success
- Downlink patch logic reuses portUpLink value for some VPN types
Write Corp Data Temp history
Reload updated network elements
Build updated CPE response
Save CTT CPE history
Write audit success
Return updated CPE info