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1 Summary

This article provides guidelines for using the Bulk Data application to import files to create (pre-load) SIM records in SIM Management. A preloaded SIM record can either be a SIM Card or an eSIM (and possibly using a SM-DP+ system to pre-provision them). Rather than using the existing CostGuard Client SIM File Upload utility, the Bulk Data Import method reduces the likelihood of syntax errors and makes it easier to create and manage import files.

You can search and view successfully imported SIM records via CostGuard Client SIM Management (Applications > BackOffice Management).

2 File Format

2.1 GENERAL FORMAT

The following general characteristics apply to SIM import files:

- File naming convention must be *.csv
- A header is required
- The header must be followed by one or more comma-delimited detail records
- Non-required fields can be empty
- The columns are not required to appear in a specific order. The order for a specific file is defined by the header record
- You do not have to include all columns in an import file

2.2 IMPORT IDENTIFIER

The **first row** of the file must have the file format identifier, starting in the first position of the first row. For the SIM import, the identifier is:

```
FORMAT:IDI/CostGuardBulkData/SIMFILEIMPORT
```

Note: "FORMAT:" is part of the identifier and must be included.

2.3 HEADER RECORD

The **second row** of the import file must contain the appropriate column names. The column names are listed in the *Record Layout* section of this document. The columns do not need to appear in a specific order. Import files do not need to include all columns, only those that contain data to be imported. The field names must match exactly as listed in the layout.

2.4 RECORD LAYOUT

The third row and beyond contain the SIM records to process.

Import Field Name	CostGuard Field Name	Required?	Notes
SIM Type		Yes	Values are: GSM or LTE
ProfileName	SIMCard.ProfileName	No	There should only be one Profile record in a SIM Card Import file. All SIM Card records in the file will share the same ProfileName value. If multiple Profile records are present in a file then the last one read in will be the one that is used.
IMSI	SIMCard.IMSI	Yes	
SIMNumber	SIMCard.SIMCardNumber	Yes	
PIN1	SIMCard.PIN1	No	
PIN2	SIMCard.PIN2	No	
PUK1	SIMCard.PUK1	No	
PUK2	SIMCard.PUK2	No	
ActivationUrl	SimCard.ActivationURL	No	
Authentication Key	SIMCard.AuthenticationKey	No	Allowed when type = GSM only
ADMPIN	SIMCard.ADMPIN	No	Allowed when type = GSM only
Kappli	SIMCard.Kappli	No	Allowed when type = GSM only
ADMPIN	SIMCard.ADMPIN	No	Allowed when type = LTE only
HexEUIMID	SIMCard.EUIMID	No	Allowed when type = LTE only
HexPseudoUIMID	SIMCard.PsuedoUIMID	No	Allowed when type = LTE only
SIPSecret	SIMCard.SIPSecrect	No	Allowed when type = LTE only
HRPDSecret	SIMCard.HRPDSecret	No	Allowed when type = LTE only
MIPAAASecret	SIMCard.MIPAAASecrect	No	Allowed when type = LTE only
MIPHASecret	SIMCard.MIPHASecret	No	Allowed when type = LTE only
CaveAuthKey	SIMCard.CAVEAuthKey	No	Allowed when type = LTE only
KKEY	SIMCard.KKey	No	Allowed when type = LTE only
SIMClassID	SIMCard.SIMClassID	Yes	Valid values are: 1 = eSIM and 3 = SIM Card (default)