# Standard Operating Procedure for
# asn to der conversion using ASN step tool for commercial OP orders - M2M - for PDM

**Version Control**

| Document Name | Version | Date |
|---|---|---|
| SOP for asn to der conversion using ASN step tool for commercial OP orders - M2M - for PDM | V1.0 | 11-08-2022 |
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| Prepared by | Technical Support Services | 11-08-2022 |
|---|---|---|
| Approved by | Saji Krishnan | *Saji Krishnan* |

Revision History

| Issue | Date | Reason for change |
|---|---|---|
| V1.0 | 11-08-2022 | First Release |
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## Introduction

This document outlines the procedure for asn to der conversion using ASN step tool for commercial OP orders - M2M - for PDM.

## Procedure

1. The asn files for each profile will be generated as an output of data generation from SDMS. Example snippet below.



2. These asn files need to be converted into der files.

3. To convert these in a batch, prepare a commandfile.txt containing the list of command line options and place in the same folder. Snippet below:



4. The content of commandfile.txt shall be as below.

```
-encodeValue 000001_8900117101000003679_OP1.asn1
-encodeValue 000002_8900117101000003680_OP2.asn1
-encodeValue 000003_8900117101000003682_OP3.asn1
-encodeValue 000004_8900117101000003683_OP4.asn1
-encodeValue 000005_8900117101000003684_OP5.asn1
```

5. To create the above commandfile.txt automatically using Windows cmd, you can execute below commands.

   a. Go to the path where all asn files are present. This can be done using cd command. Example below:
   cd C:\Apps\_SD\Workz Dubai RSP Setup\ASN.1 Studio Test\Sample_Gen

Result:



b. Run below command to generate a file which contains list of all files present in the folder:
   dir /B *.asn1 > filelist.txt



Result – a file "filelist.txt" will be created in the folder which will contain names of all asn1 files. See snippet below:

| Name | Date modified | Type | Size |
|---|---|---|---|
| 000001_8900117710100003679_OP1.asn1 | 14/05/2020 12:05 AM | ASN1 File | 74 KB |
| 000002_8900117710100003680_OP2.asn1 | 14/05/2020 12:05 AM | ASN1 File | 74 KB |
| 000003_8900117710100003682_OP3.asn1 | 14/05/2020 12:05 AM | ASN1 File | 74 KB |
| 000004_8900117710100003683_OP4.asn1 | 14/05/2020 12:05 AM | ASN1 File | 74 KB |
| 000005_8900117710100003684_OP5.asn1 | 14/05/2020 12:05 AM | ASN1 File | 74 KB |
| filelist.txt | 12/08/2022 10:26 AM | TXT File | 1 KB |

The content of this filelist.txt shall be as below:

```
000001_8900117710100003679_OP1.asn1
000002_8900117710100003680_OP2.asn1
000003_8900117710100003682_OP3.asn1
000004_8900117710100003683_OP4.asn1
000005_8900117710100003684_OP5.asn1
```

c. Run below command to create final "commandfile.txt" file.
   for /f "tokens=*" %a in (filelist.txt) do (echo -encodeValue %a) >> commandfile.txt

Result – a file "commandfile.txt" will be created in the folder. See snippet below:



The content of this commandfile.txt shall be as below:

```
-encodeValue 000001_890011710100003679_OP1.asn1
-encodeValue 000002_890011710100003680_OP2.asn1
-encodeValue 000003_890011710100003682_OP3.asn1
-encodeValue 000004_890011710100003683_OP4.asn1
-encodeValue 000005_890011710100003684_OP5.asn1
```

    d.   Delete "filelist.txt" file.

6. Based on the ASN1 major-version and minor-version, appropriate PEDefinitions file should be kept in the same folder.

    For example: if major-version = 2 and minor-version = 0, then "PEDefinitions V2.0.asn" file should be kept. If major-version = 2 and minor-version = 2, then "PEDefinitions V2.2.asn" file should be kept.

    **Note: This PEDefinitions file will be provided by TSS to PDM team for each job execution.**

    The working folder shall be as below.

7. Using asn1step tool, execute the below command to do the conversion:

   asn1step "<name_of_PEDefinitions_file>" -der -commandfile commandfile.txt

   Example:
   asn1step "PEDefinitions V2.2.asn" -der -commandfile commandfile.txt

8. After executing the above, the der files will be created. Example snippet below.



9. The extension of the above files should be changed from ".asn1.der" to ".der". This can be done using a batch file. The batch file has been embedded below.



Change_Extension_
to_der.bat

10. After execution of batch file, the extension will be changed. See example snippet below.

| TITLE | SOP_for_asn_to_der_conversion_using_ASN_step_tool_for_commer... |
|---|---|
| FILE NAME | SOP_for_asn_to_de...for_PDM_v1.0.docx |
| DOCUMENT ID | 6d4e3940a4f061eb336cfaa4912d60f8ae173de0 |
| AUDIT TRAIL DATE FORMAT | DD / MM / YYYY |
| STATUS | ● Signed |

## Document history

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