ID Allocation Procedure

What does the ID Allocation Procedure cover?

The SEC places a number of obligations on the SEC Panel, one of which is to produce and maintain a document known as the ID Allocation Procedure. The ID Allocation Procedure document outlines the rights and obligations on how the SEC Panel shall establish and issue the DCC, User and Registration Data Provider (RDP) IDs, and Party and RDP Signifiers.

Section B1.17 - B2.9 sets out:

- Party and Registration Data Providers (RDPs) Signifiers;
- Panel's duty of obtaining an appropriate Registry Entry;
- The ID Allocation Procedure Document;
- Issuance of User, DCC and RDP IDs; and
- Record of Signifiers and IDs Issued.

What does the ID Allocation Procedure Guidance cover?

Following its September 2015 meeting, the Panel approved the final ID Allocation Procedure document, which outlines the allocation procedure for both EUI-64 Compliant identifiers and Party and RDP Signifiers.

This supplementary ID Allocation Procedure Guidance shall be comprised of two parts:

- EUI-64 Guidance; and
- Signifier Guidance.

EUI-64 Guidance

The EUI-64 Guidance outlines the process of obtaining EUI-64 Compliant identifiers, which are used to create DCC, User and RDP IDs. User, DCC and RDP IDs are globally unique EUI-64 Compliant identifiers that are used to identify a User, DCC or an RDP acting in a particular User Role. EUI-64 Compliant identifiers shall also be linked to specific Public Keys in Smart Metering Key Infrastructure (SMKI) Organisation.

Obtaining your IDs, Signifier and Organisation Number

Once you become a SEC Party and have logged in to the SEC website, you can find your Party ID range, Organisation Number and Signifier in the ID Allocation spreadsheet. Once allocated to Parties, these values are never re-used, and rows are never removed from the ID Allocation Spreadsheet. These values can also not be transferred to other Parties. This means that all withdrawn and expelled Parties will remain on the spreadsheet to ensure that numbers are never re-allocated.

IDs

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IDs come in three distinct forms: User IDs, DCC IDs and RDP IDs. These IDs are globally Extended Unique Identifier (EUI)-64 Compliant identifiers used to identify a Party, the DCC, or RDP acting in a particular User Role.

These IDs can also be used for testing purposes and can be linked to specific Public Keys in Smart Meter Key Infrastructure (SMKI) Organisation Certificates.

Signifiers

Signifiers are SEC unique identifiers that are not required to be EUI-64 Compliant, and are used to uniquely identify a Party or RDP under the SEC. They can be linked to specific Public Keys in DCC Key Infrastructure (DCCKI) Certificates. Guidance to Signifiers can be found here.

Unique Identifiers

If you hold an Ofgem licence or are a Meter Operator / Meter Asset Manager, you must provide details of your **unique electricity and gas Meter Point Identifiers (MPIDs)** under the Retail Energy Code (REC) and/or the Uniform Network Code (UNC). This unique identifier information will be recorded and published in the ID Allocation spreadsheet.

For new SEC Parties, it is recognised that the unique identifiers may be unknown when acceding.

Organisation Number Allocation

EUI-64 Compliant Identifiers and Signifiers (except for 'Interim' Signifiers) are to be calculated using an Organisation Number[1]. An Organisation Number is allocated at the SEC Party (or RDP) level only once you become a SEC Party.

Organisation Numbers are allocated sequentially starting at zero and increasing by 1 for each allocation. The Organisation Number is expressed in hexadecimal (base 16) format, with leading zeros where needed to ensure it is always 3 hexadecimal digits in length. 0 – 9 represent the values 0 to 9, and A – F represent values 10 to 15. Hexadecimal is a numbering system with base 16, representing large numbers with fewer digits.

EUI-64 Compliant Identifiers

SECCo has obtained from the Institute of Electrical and Electronics Engineers (IEEE) the registry entry for the MAC Address Block Small (MA-S Value): **70-B3-D5-1F-3**. A MA-S is a 9-hexadecimal digit (36 bit) identifier that can be used to create EUI-64 Compliant identifiers. SECCo's entry can be found on the IEEE Public Register by searching for the MA-S Value: 70-B3-D5-1F-3.

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[1] Has no relation to Organisation Certificates. Organisation Number is used as a term for the purpose of this ID Allocation Procedure document only.

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Since EUI-64 numbers are 16 hexadecimal digits, there are 7 more hexadecimal digits that need to be added to the MA-S to generate an EUI-64 identifier.

SECCo creates EUI-64 Compliant identifiers by the concatenation of the assigned value of an MA-S Registry (above) and a unique extension identifier created by it (the Organisation number).

The remaining four hexadecimal digits, to make up 16, can then be selected by each Party or RDP.

This means each Party or RDP is allocated a range of identifiers for its sole use. Organisations may use any value within their range for the last four digits (between 00-00 and FF-FF).

Therefore, a Party's EUI-64 identifier is made up of:

- SECCo's IEEE value (70-B3-D5-1F-3);
- Organisation Number (e.g. 2-89); and
- Its own chosen digits (between 00-00 and FF-FF).

So, in this example, the Party would use the identifier 70-B3-D5-1F-32-89-00-00:
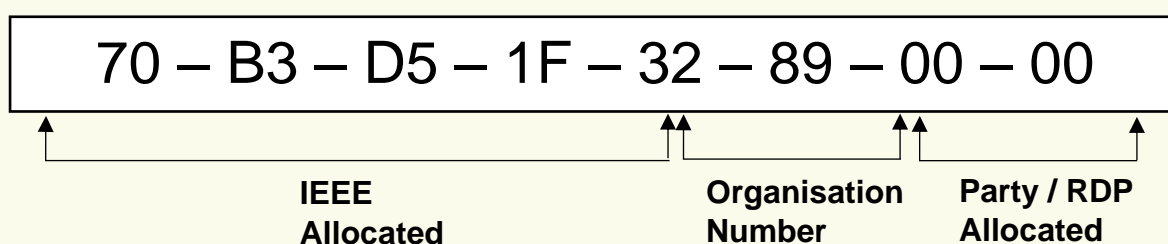

IEEE Allocated — **Organisation Number** — **Party / RDP Allocated**

70 – B3 – D5 – 1F – 32 – 89 – 00 – 00

Figure 1: EUI-64 Compliant identifier make-up

Uses of EUI-64 Compliant Identifiers

You may need to use multiple identifiers (e.g. because you perform multiple DCC User Roles) or choose to do so (e.g. to conduct testing or to best support your particular internal structure, systems and processes). Therefore, you can use any 4-digit, hexadecimal values in the range 00-00 to FF-FF.

Section H1.4 - 1.7 'User Entry Process' outlines the ways in which you can use your relevant User ID(s).

SECAS will inform the DCC of all new ID Allocation ranges, Organisation Numbers and Signifiers each time the ID allocation spreadsheet is updated.

A separate ID must be used for each User Role when completing the DCC's User Entry Process (UEP), except for the roles of 'Import Supplier and Gas Supplier' or 'Import Supplier, Gas Supplier and Export Supplier' where the same ID can be used (SEC Section H1.5).

Signifier Allocation Process

Each Party (or RDP) Signifier (except for 'Interim' Signifiers) is calculated from an Organisation Number. The calculation is based on whether the Organisation is a Party or RDP, and uses the three hexadecimal digit Organisation Number. The Signifier will take the form **AAA123**. The Signifier calculation also includes mechanisms to assist in verbal use of Signifiers (e.g. in relation to service incidents). Specifically, the Signifier calculation:

- Includes an energy industry check digit algorithm;

- Ensures that no Signifier is ever re-used or mis-keyed by generating a specific Signifier from its corresponding EUI-64 Compliant Identifier; and

- Results in a spread of letter and number combinations, rather than Signifiers being sequential.

You can find your SEC Party Signifier on the ID Allocation spreadsheet. For more information, please find our Signifier Guidance Notes.

SECAS role in publishing EUI-64 Compliant Identifiers and Signifiers

All current and previous SEC Parties are detailed in this spreadsheet. SECAS will mark any company name or MPID changes, and if former Parties have either withdrawn or been expelled from the SEC.

This Excel Spreadsheet is digitally signed (using open standards supported by widely available office automation software) and published on the SEC Website.

When any updates are made to the ID Allocation Spreadsheet, SECAS will describe them in the Version control tab and notify the DCC.

What if your company details change?

If any of your Party Details change (including **company name** or **unique identifiers**), please use our online Change in Party Details form. SECAS will then update the ID Allocation spreadsheet with your new details and will inform the DCC.

If you have any questions, please contact SECAS by emailing our SECAS Helpdesk or call 020 7090 7755. Defined terms in this document can be found in the SEC Glossary.

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