

Firmware Information Repository (FIR) – SEC Mod 9 Solution & the impacts on the CPL submission process

SECMOD009 “Central Firmware Library” has received Authority approval and will be implemented on the 28 February 2019. The Solution introduces a Firmware Information Repository (FIR). The impacts of this change will mostly fall on Meter Manufacturers, who are required to provide contact details and firmware information alongside the CPL submissions.

The FIR is intended to provide Suppliers, who have responsibility for devices resulting from change of supplier events, to understand who to contact, and how to acquire the latest version of firmware for a device in order to maintain it and fulfil their obligations.

As a result of the legal draft SEC changes resulting from SEC MOD 9, it is a requirement that the FIR is populated by Meter Manufacturers when submitting their CPL New Entry form. The below additional associated fields are required to be provided as part of a CPL submission by a Party of any other person who is submitting a Device for addition to the CPL. We will use the information provided to populate the FIR, which will be published on the SECAS website alongside the CPL and made available to SEC Parties only.

Data Group	Data Attribute	Notes	Conditionality rule	Format	Valid values	New Entry's Details
Manufacturer Contact FIR	Company Name	This information must be provided with every CPL submission. NOTE this information will NOT be included in the CPL entry BUT will be published on the Firmware Information Repository (FIR).	Completion of field depends on Device Type At current, must be empty if Device Type is: - 'Pre-Payment Interface Device'; - 'Communications Hub'.	Up to 45 octet utf-8 string	Any utf-8 string of length up to 45 octets in length.	
Manufacturer Contact FIR	House Number	This information must be provided with every CPL submission. NOTE this information will NOT be included in the CPL entry BUT will be published on the Firmware Information Repository (FIR).	Completion of field depends on Device Type At current, must be empty if Device Type is: - 'Pre-Payment Interface Device'; - 'Communications Hub'.	Up to 4 octet utf-8 string	Any utf-8 string of length up to 4 octets in length.	
Manufacturer Contact FIR	Street	This information must be provided with every CPL submission. NOTE this information will NOT be included in the CPL entry BUT will be published on the Firmware Information Repository (FIR).	Completion of field depends on Device Type At current, must be empty if Device Type is: - 'Pre-Payment Interface Device'; - 'Communications Hub'.	Up to 45 octet utf-8 string	Any utf-8 string of length up to 45 octets in length.	
Manufacturer Contact FIR	City	This information must be provided with every CPL submission. NOTE this information will NOT be included in the CPL entry BUT will be published on the Firmware Information Repository (FIR).	Completion of field depends on Device Type At current, must be empty if Device Type is: - 'Pre-Payment Interface Device'; - 'Communications Hub'.	Up to 45 octet utf-8 string	Any utf-8 string of length up to 45 octets in length.	
Manufacturer Contact FIR	Post Code	This information must be provided with every CPL submission. NOTE this information will NOT be included in the CPL entry BUT will be published on the Firmware Information Repository (FIR).	Completion of field depends on Device Type At current, must be empty if Device Type is: - 'Pre-Payment Interface Device'; - 'Communications Hub'.	Up to 8 octet utf-8 string	Any utf-8 string of length up to 7 octets in length.	
Manufacturer Contact FIR	Country	This information must be provided with every CPL submission. NOTE this information will NOT be included in the CPL entry BUT will be published on the Firmware Information Repository (FIR).	Completion of field depends on Device Type At current, must be empty if Device Type is: - 'Pre-Payment Interface Device'; - 'Communications Hub'.	Up to 45 octet utf-8 string	Any utf-8 string of length up to 45 octets in length.	
Manufacturer Contact FIR	Telephone Number	This information must be provided with every CPL submission. NOTE this information will NOT be included in the CPL entry BUT will be published on the Firmware Information Repository (FIR).	Completion of field depends on Device Type At current, must be empty if Device Type is: - 'Pre-Payment Interface Device'; - 'Communications Hub'.	Up to 45 octet utf-8 string	Any utf-8 string of length up to 45 octets in length.	
Manufacturer Contact FIR	Website	This information must be provided with every CPL submission. NOTE this information will NOT be included in the CPL entry BUT will be published on the Firmware Information Repository (FIR).	Completion of field depends on Device Type At current, must be empty if Device Type is: - 'Pre-Payment Interface Device'; - 'Communications Hub'.	Up to 100 octet utf-8 string	Any utf-8 string of length up to 100 octets in length.	
Manufacturer Contact FIR	Email Address	This information must be provided with every CPL submission. NOTE this information will NOT be included in the CPL entry BUT will be published on the Firmware Information Repository (FIR).	Completion of field depends on Device Type At current, must be empty if Device Type is: - 'Pre-Payment Interface Device'; - 'Communications Hub'.	Up to 100 octet utf-8 string	Any utf-8 string of length up to 100 octets in length.	
FIR Release Notes	Description	Contains a short description of the firmware release and /or an URL pointing to the manufacturers website. Neither the information contained in this field nor information linked to the URL should not contain any confidential or commercial information. This information must be provided with every CPL submission. NOTE this information will NOT be included in the CPL entry BUT will be published on the Firmware Information Repository (FIR).	Completion of field depends on Device Type At current, must be empty if Device Type is: - 'Pre-Payment Interface Device'; - 'Communications Hub'.	Up to 500 octet utf-8 string.	Any utf-8 string of length up to 500 octets in length. If a URL is present it must be fully accessible without any prior registration or password.	

Further detail is available in the Central Products List Submission Guidance v1.4.

A view of the FIR is provided below and has been annotated with comments detailing who and what should be provided within the 4 columns. Please note the fourth column to be provided "Meter Firmware

Description / Information” is limited to 500 characters. We suggest a short description is provided along with a URL.

This column to be Populated by SECAS to correctly cross reference with the CPL.

Meter Manufacturer contact details in this column: Address, Phone, email etc. SECAS will populate this column from CPL submission details.

Meter Manufacturer provides brief description and/or ULR with CPL Submission. SECAS populates this column with the submitted information.

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The following table provides information to allow a gaining Supplier to easily identify which Manufacturer to contact, with regards to the latest firmware on a device following an update to the CPL. All entries to the Firmware Information Repository have been vetted by a SECAS security expert prior to publication.

CPL Firmware Information Repository			
CPL Reference	Manufacturer	Contact Details	Manufacturer Firmware Description / Information
1234	Example Meter Ltd	123 Example Street Example City, AB12 CD3 United Kingdom 01234 567 8910 www.example.company.co.uk info@example.company.co.uk	General Release for use with SMETS2 V.X.Y www.example.company.co.uk/sampleproduct/publicinformation

Name of Manufacturer SECAS will insert details from the CPL Submission

CPA Contact Details

While we have been reviewing the requirements for the FIR, we have also taken an opportunity to review the information held in the fields in the existing CPL – New Entry form required for contacts details associated with CPA Certificate expiry notifications. Please note, there is no additional information required; however, the fields are now split out into three separate fields, the contact name, telephone, email address.