

# Electrical Distribution Service Statement of Work

## **ECOFIT™ Masterpact M with Masterpact MTZ**

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## 1 Executive summary

The purpose of this document is to define the conditions for Schneider Electric Services modernization offer under which this service required by the customer will be performed by Schneider Electric Field Service Representatives (FSRs) on customer premises.

ECOFIT™ Masterpact M modernization solutions help customers to get the most of their equipment and installations and to extend the lifetime of their LV switchgear. ECOFIT™ Masterpact M solutions allow to replace only the active components, while leaving switchboard structure intact.

## 2. Features and benefits

Features	Benefits
<b>ECOFIT™ Masterpact M solutions</b>	<ul style="list-style-type: none"> <li>• Extend your switchgear lifetime</li> <li>• Enhance your process dependability.</li> <li>• Optimize your maintenance service costs &amp; limits your investments.</li> <li>• Improve reliability and quality with compliance to new standards.</li> <li>• Helps ensure the safety of your personnel and surrounding equipment by using one of the latest technologies.</li> <li>• Reduced environmental impact</li> <li>• More than a simple substitution, ECOFIT™ Masterpact M using Masterpact MTZ now incorporates one of the latest digital technologies. It embeds communication functionality as well as Class 1 accuracy power/energy measurement for smart operation. It connects your electrical switchboard to most building and energy management systems. On top of this, you can now use your smart phone as main HMI to monitor and control ECOFIT™ solutions using Masterpact MTZ for convenience and easy management. Once again, ECOFIT™ solutions using Masterpact MTZ offers to maximize the power uptime and energy efficiency</li> <li>• Solutions are tested and validated by Schneider Electric, the original equipment manufacturer of Masterpact M</li> </ul>
<b>ECOFIT™ Masterpact M Plug&amp;Play solution</b>	<ul style="list-style-type: none"> <li>• Quick retrofit solution to improve the reliability of electrical installations equipped with Masterpact M</li> <li>• No need of complete shutdown of your installation</li> <li>• Easy to execute with 2 simple operations in less than 30 mn (Does not include LO/TO procedures, time for safety precautions,...)</li> </ul>
<b>ECOFIT™ Masterpact M Masterkit solution</b>	<ul style="list-style-type: none"> <li>• Reduced installation down time thanks to pre-designed connection for easy retrofit of your Masterpact M</li> <li>• No modification of power connection required</li> <li>• No modification of door cutouts (up to M32)</li> </ul>
<b>Installation and commissioning by Schneider Electric</b>	<ul style="list-style-type: none"> <li>• Quality of works as operations are performed by skilled and trained personnel using appropriate tools.</li> </ul>

### 3. Details of service

The specific activities of this service are listed below. For each item, Schneider Electric will perform the work described.

#### Scope of supply

Supply, install and commission ECOFIT™ Masterpact M solutions.

Unless otherwise agreed a full intrusive survey will be required to verify that our offer is suitable and fit for purpose, and can be achieved within the timescale agreed, if an intrusive survey is not permitted then Schneider Electric cannot be held responsible if the work has to be aborted for any unforeseen reason, this includes the condition of the equipment / chassis which is to be upgraded.

#### ON-SITE SUPPLY, INSTALLATION AND COMMISSIONING DELIVERABLES

Schneider Electric Field Service certified engineer at the customer's location within a specified period of time to install and commission the ECOFIT™ Masterpact M solutions. The following table lists the details of the service tasks provided with this visit.

Activities	Description
<b>Supply</b>	Supply of the adapted ECOFIT™ Masterpact M solution defined
<b>Install</b>	Recording of protection settings of the existing Masterpact M Removal of the existing Masterpact M Diagnose clusters condition with ProDiag™ Cluster (recommendation) Inspection/adjustment of fixed parts (if required) Replacement of original rails (if required) Replacement of wire guide support (if required) Installation of the ECOFIT™ Masterpact M solution defined
<b>Commission</b>	Implementation of recorded protection settings in the replacement breaker. Functional tests conducted with a test kit
<b>Deliver Site Report</b>	Test results, calibration certificates and an engineer's report (where applicable) shall be submitted within 10 working days after completion of the commissioning.
<b>Warranty</b>	With this offer there is a comprehensive manufacturer's warranty running for 12 months from the date of invoice.

### 4. Assumptions & exclusion

#### 4.1 Assumptions

The successful performance of the tasks defined in this Statement of Work is based on the following key assumptions, which are agreed to by Schneider Electric Field Service.

- All services performed on-site by Schneider Electric Field Service shall be executed during the Schneider Electric business hours unless otherwise requested by the

customer. These hours are Monday through Friday from 8am to 5pm weekly, local time, unless other specified.

- All services are performed on-site by certified Schneider Electric service engineer.
- The equipment must be installed in an environment that adheres to manufacturer specifications
- Preliminary Inspection Visits are available during business hours. Please contact your certified Schneider Electric Sales Representative for additional details.
- This service applies to a customer location with standard site and product access (final installation location is within 10m from the offloading point with easy access over firm flat ground).
- Geographical restrictions may apply. Please verify the service coverage and response time for your location with your Schneider Electric sales representative.
- In case of a conflict between the service definitions contained on this Statement of Work and the local service definitions, the local service definitions will prevail. For more information, please refer to your Certified Sales Representative.
- Our commissioning activities stop at the outgoing switchboard terminals.
- Adequate provision for alternative power supplies, during the downtime, should be made by others. All shutdown times could be estimated following a site survey
- The designated working areas are to be cleared by others, prior to our attendance at site.
- Our offer is based on continuous uninterrupted access to the equipment, standing time may be chargeable.
- We assume offloading, positioning and erection work can be effected in one site attendance. (Multiple site attendance may incur additional mobilisation fees).
- We assume commissioning can be effected in one site attendance. (Multiple site attendance may incur additional mobilisation fees).
- In the event that an intrusive survey is recommended in this quotation and we are unable to undertake such a survey, or are limited in the scope of the survey, due to site restrictions or other customer imposed constraints Schneider will not accept any liability for delays or additional expenses arising as a result of not having completed a full survey.

## 4.2 Exclusions

The following items are outside the scope of this standard service offering. They can be integrated into a customized Statement of Work (SOW) at request of the customer. Please refer to your local Schneider Electric Services Sales Representative or reseller.

- Proactive replacement of wearing parts
- On-site emergency intervention commitment
- We have made no provision to liaise with the local electricity supply authority.
- Our offer excludes the supply or installation of all necessary site busbar, cabling, containment & cable glands, including connection to site earth, unless specifically detailed as included
- Our offer is exclusive of all civil and builders work, including the dismantling of any access doors/walls, back filling of service trenches, site maintenance & access platforms/ladders and associated planning consent.

- In the event that Schneider are not contracted to carry out a site protection & setting study, all protection settings/design information is to be provided by others at least two weeks prior to the anticipated test date. In the event that setting details are not provided, our engineer will carry out all relay tests at settings which we feel are appropriate to prove the satisfactory operation of the relays.
- We request that relevant power supply is made available adjacent to the working area to facilitate our installation & commissioning works, we have made no allowance to provide a generator for site power.
- All permits to work, sanctions to test and any switching (if applicable) are to be issued/done by others.
- Any delays resulting in lost time caused by others may be chargeable.

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