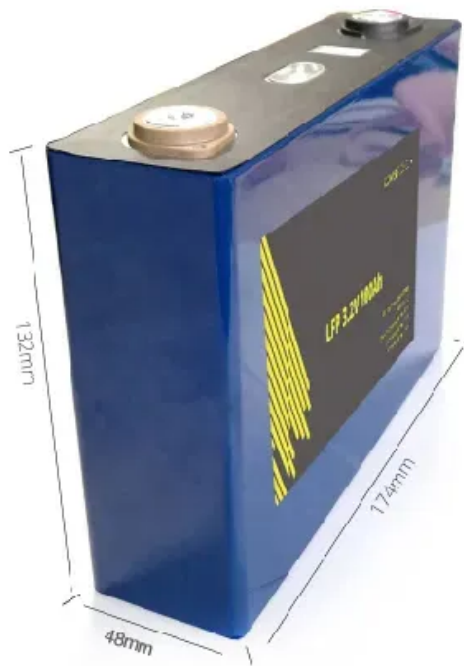


SolarMax Energy Systems

Norway Telecommunications Base Station EMS Management



Overview

What is EMS in telecommunications management?

The EMS is a critical piece in the total telecommunications-management solution. Only the EMS is exposed to the complete management-information content of all the NEs in its domain. The EMS is the sole mediator of this information and the control of the NEs to the network management layer.

What is the role of EMS in network management?

The EMS is the sole mediator of this information and the control of the NEs to the network management layer. Therefore, an EMS is intimately matched to a particular network-element type and must accompany the deployment of those NEs in the network in order to enable and manage the functioning of the NEs. 2.

What are EMS service provisioning functions?

EMSs are key enablers of applications at the NML, SML, and BML to perform the TeleManagement Forum-defined high-level processes. The following links three of those high-level processes to their support by EMS service provisioning functions.

How do EMS communicate with NES?

EMSs should, by strict adherence with the TMN model, communicate with their NEs by using the common management information protocol (CMIP). This however, takes no recognition of the fact that most devices deployed in the marketplace use other protocols such as TL1, SNMP, and a variety of proprietary mechanisms.

What are the 5 layers of Telecommunications Management?

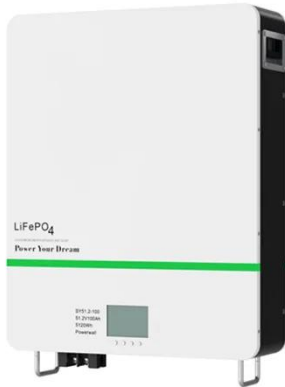
The key benefit of this architecture is to identify five functional levels of telecommunications management: business management layer (BML), service management layer (SML), network management layer (NML), element

management layer (EML), and the (increasingly intelligent) NEs in the network element layer (NEL).

How does an EMS detect a degrading facility?

EMSs detect performance-threshold crossings such as SLIPS and BERs and forward those to the NML fault manager. This data can identify degrading facilities before they become apparent to the customer.

Norway Telecommunications Base Station EMS Management



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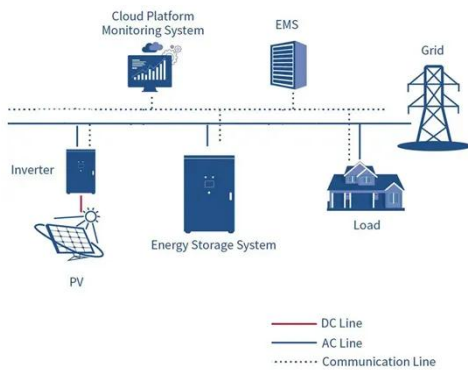
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Figure 2.2b -- Fire stations that serve a variety of purposes, including emergency response, administration, emergency management, and public education, can be expansive structures.

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