

# CMS Technical Reference Architecture (TRA) Security Services Supplement

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## *Abstract*

The *CMS Technical Reference Architecture – Security Services Supplement* provides the security design and engineering guidance for CMS data center environments. This supplement is authorized and approved by the CMS Chief Technology Officer. CMS has prescribed the necessary security controls for CMS systems in the *CMS Information Security (IS) Acceptable Risk Safeguards (ARS) including the CMS Minimum Security Requirements (CMSR)*. The ARS-CMSR takes precedence over this supplement for resolution of any conflict in interpretation of security guidance for the CMS environment.

This supplement presents additional guidance on the placement of security devices within the data center [firewalls, intrusion detection systems (IDS)/intrusion detection and prevention (IDP) systems, and log aggregation appliances]. The data center will achieve compliance with the ARS-CMSR through adoption and execution of this guidance. This supplement also describes the expected interactions between the CMS Management/Security Zone and the Presentation, Application, and Data Zones.

This supplement applies equally to system developers, system maintainers, and all CMS IT systems, regardless of hosting site. To avoid additional costs and risk, system developers must seamlessly integrate systems into established data center operating environments. By implementing and maintaining systems according to this supplement, system maintainers will ensure their compliance with the appropriate ARS-CMSR security controls.