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This guide only cites government and de facto standards and specifications in discussion of gaps in available standards.

3.5 POSIX Open System Environment Profiles

The results of Open System specification projects are collected into an expanding set of ''Base Standards,'' addressing a growing subset of functional requirements.

Profile projects then select among these base standards to create a tailored, consistent set of standards addressing a more specific type (or instance) of system or set of application software. Profiles satisfy the requirements of application ''domains'' such as office or industrial automation, transaction processing, or real-time control systems.

This framework provides a way to characterize the functionality of profile activities. The current OSI profiles tend to focus strictly on the communications EEI. D
Other profiles might focus on a single component or span multiple interface types.

3.6 Application Platform Implementation Considerations

HLJ : All instances of ''System Integration Interface'' in this clause have been D
changed to ''System Internal Interface'' without further diff marks. D

Profile writers need to be aware that in an open system environment, the application platform can be decomposed into independently procurable components. While standards are interface specifications, and as such are independent of implementation, there are aspects of platform implementation or construction that may affect the specification of standards, and that profile writers may want to address.

For each case, the portion of the application platform that implements any particular independently procurable service is described as the service component. Figure 3-6 shows an application platform made up of several service components. If components interact, the specification of the interface between service components within the application platform may be standardized or nonstandard (including proprietary).

An intercomponent interface is labeled in Figure 3-6 as ''System Internal Interface'' because it may be used to assemble an application platform from multiple components. Figure 3-6 shows how a System Internal Interface is shown in the reference model.

A standards-based SII between the application platform service components addresses portability and interoperability of the application platform service components, not portability and interoperability of application software and systems.

Development of an SII would also require a consensus to emerge on the ''best'' design and implementation of system software/hardware. Very little consensus has developed on the partitioning of the platform into components and consequent

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