



The Office of the National Coordinator for
Health Information Technology
Health IT Advisory Committee

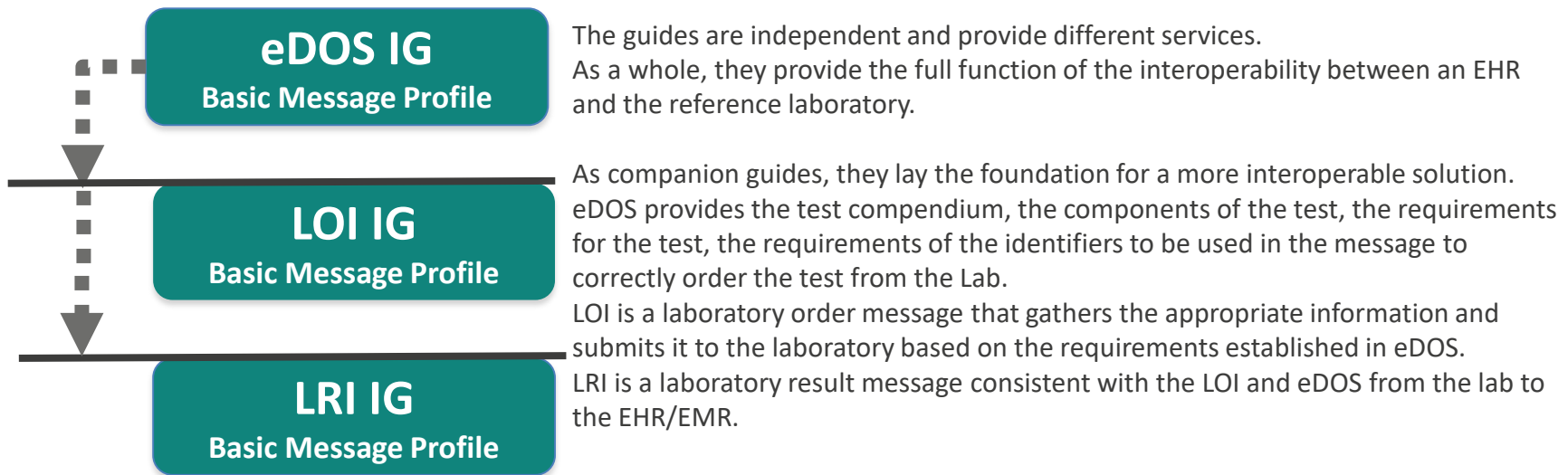
Interoperability Standards Priorities Task Force Lab Orders, Results and Lab Test Compendium IGs

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Companion Implementation Guides (IG)



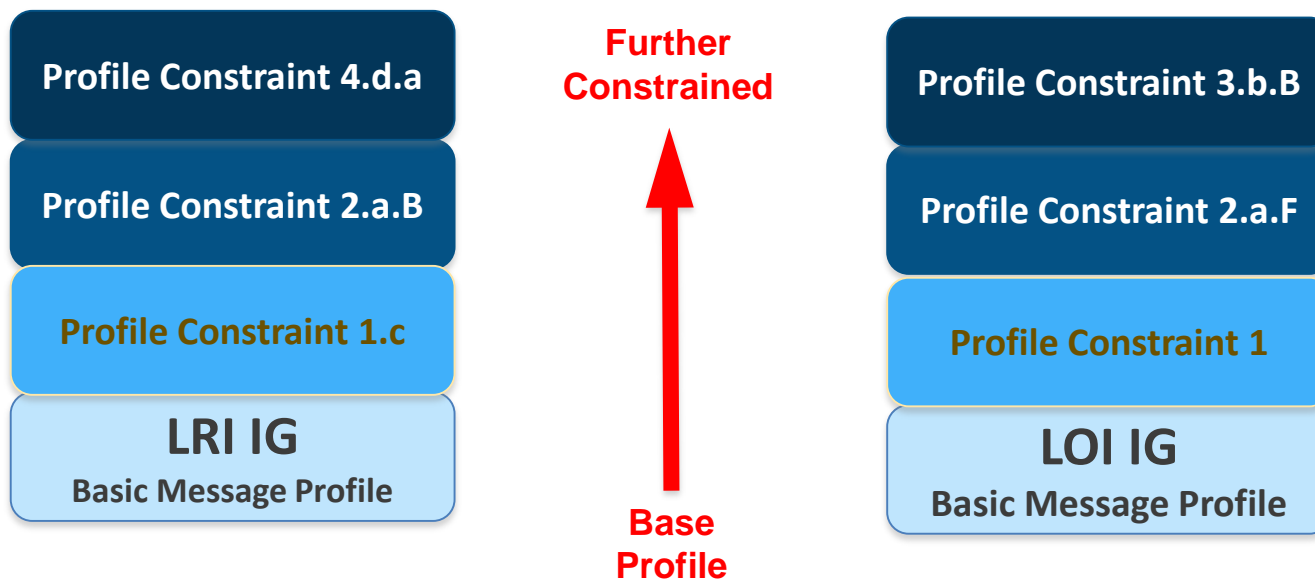
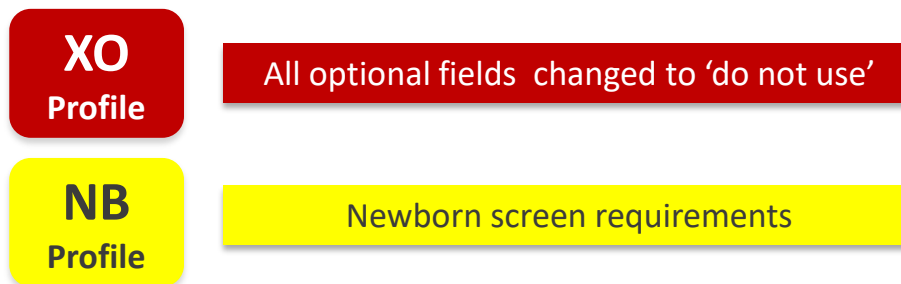
These guides are based on HL7 Version 2.5.1 which provides broad support of healthcare across many domains of care. The IGs are constraining Version 2.5.1 to the domain of clinical interfaces between the lab and the EHR/EMR.

- The Profile constrains the content of the fields (specifying data sets)
- Profiles can be grouped to provide increased constraints
- Profiles identify capabilities of the sender/receiver via conformance statements
- Profiles can be unique to patient's criteria; such as Newborn Screening

Constraints

- Constraints drive message behaviors
- Enforce conformance between parties
- Define testable outcomes

The approach to the flexible guide



Example Constraints – Profile construction

- **Newborn Screen**

- » Defined code set for newborn screen
- » Date fields require Year, Month, Day and Hour
- » Uniquely identified in eDOS
- » Conformance statements to validate proper use

- **Time zone offset process**

- » Define required fields to support time zone offset and field to field relationships
- » Conformance statement to validate proper use

- **Identifiers**

- » Those that can support OIDs
 - Require the use of OIDs in field identifiers
 - Conformance statements based on the use OIDS
- » Those that do not support OIDs
 - Identify the unique fields used for identification by field id
 - Conformance Statements to support the identification when OIDs are not used

Outcome

- eDOS provides the framework for the requirements of the performing laboratory creating the parameters for the LOI content which drives the LRI reporting process.
- Flexible IGs that conform to each other.
- Provide guidance on conformance between partners.
- Provides path from limited constraints to highly constrained solutions without re-engineering the interface.
- Conformance parameters can be extracted and used as conformance validation rules to measure compliance to the IG and profiles.



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