

AZ5 - eLabs

■ Future State Features

- ☞ Electronically communicating prescriptions between Orderers and Laboratories, including:
 - ✓ Uniquely identified electronic (on-line) lab test orders transmitted from ordering health practitioner systems to repositories and thus to a laboratory systems, confirmation that lab test orders have been received, and test results information passed back to repositories and ordering health practitioner systems (with automatic updating of fields within patients' records)
 - ✓ Alerts, Demand Management and Decision Support for Orderers and Laboratories
- ☞ Includes hospital and community lab ordering and results
- ☞ People will be able to continue to choose their laboratory service provider, where applicable
- ☞ Health practitioners and other involved parties, including the patients themselves, will be able to access a complete lab test history that relates to individual patients, in detailed form or as a form of Event Summary
 - ✓ eLab information may be used at local, regional and national levels for clinical care and for analytical purposes such as health planning, assessment of population health status and outcomes, research, etc
 - ✓ Ordering, result and other information-sharing will be based on an in-built standard lab test terminology that is updated regularly, and within agreed privacy and security framework

■ This roadmap focuses on:

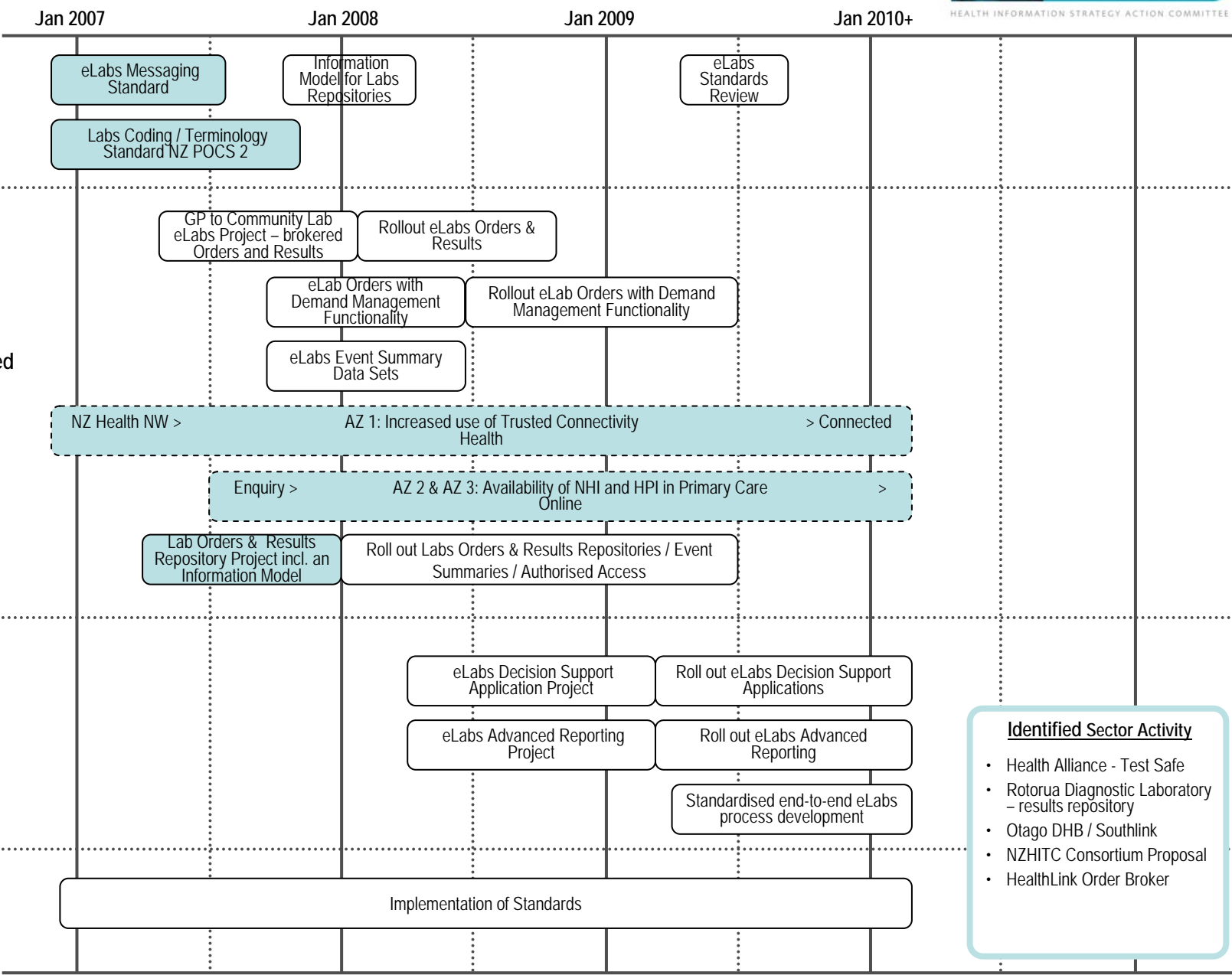
- ☞ Ensuring that each transaction is recorded (at source) and transmitted according to mandatory standards for formatting, nomenclature and code sets
 - ✓ Promoting the current messaging standard and NZ Pathology Observation Code Set (NZPOCS)
 - ✓ Updating NZPOCS to include more codes
 - ✓ Developing an information model for labs repositories
 - ✓ The introduction of demand management and decision support modules embedded into health practitioners' systems
- ☞ Developing electronic broker / repositories capable of receiving electronic orders from health practitioners' systems, transmitting orders from Orderers to a Laboratory automatically (if the patient has nominated a 'destination' Laboratory) or download them to a Laboratory when the order is presented, acknowledging receipt of an order back to the Orderer, transmitting results information from Laboratories back to the repository and health practitioners' systems in order to update patient records
- ☞ Addressing the mechanisms to ensure that only authorised persons receive tests
- ☞ The provision of access to patient lab test histories be it in a primary / community, secondary and tertiary setting

AZ 5: eLabs

HIGH

HISAC Involvement

LOW



Key: Active or Planned Future Initiatives / Projects Not core to this Action Zone but strategically important

- Identified Sector Activity**
- Health Alliance - Test Safe
 - Rotorua Diagnostic Laboratory – results repository
 - Otago DHB / Southlink
 - NZHITC Consortium Proposal
 - HealthLink Order Broker