GS1 Healthcare Provider Advisory Council Webinar

Cross hospital collaboration to develop a
GS1 Standards Framework

Ryan Mavin, Senior Project Program Manager, ACT Government

June 2016

Welcome and thank you for attending!

- Welcome to our June 2016 webinar. Thank you to our guest speaker – Ryan Mavin, Senior Project Program Manager, ACT Government

- Some housekeeping for today:
  - All attendees will be on mute
  - If you have questions during the presentation, please type them into the questions area and these will be monitored then answered at the end of the call
- After the webinar:
  - Within a week, the recording will be posted to: http://www.gs1.org/healthcare/hpac_webinars
  - All previous webinars are also posted to this location, so please feel free to use this resource and share the link

The GS1 Healthcare Provider Advisory Council (HPAC)

Thought leaders and early adopters of GS1 Healthcare Standards from the global clinical provider environment. Their final goal is to improve patient safety, cost efficiency and staff productivity through implementation of GS1 standards.
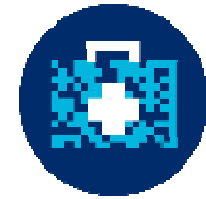
A forum for sharing and discussion	• About the practical realities of implementation of GS1 Standards in the care giving environment in regards to the impact on clinical care and patient interaction
Identification of projects and case studies	• That support the adoption of GS1 Standards in healthcare providers and retail pharmacies • For publication, presentation and sharing
A source of expertise and advice	• To those involved in GS1 standards development, the wider Healthcare stakeholder community and senior executives/decision-makers to gain their buy-in and support for implementation of GS1 Standards

HPAC Activities

Webinars

- Monthly webinars open to all stakeholders interested in learning about GS1 standards implementation in the care giving environment.
- http://www.gs1.org/healthcare/hpac_webinars

Awards

- Twice per annum
- Provider Best Case Study Award
- Provider Recognition Award
- http://www.gs1.org/healthcare/hpac

GS1 Healthcare also holds two global conferences per annum. Next conference in Beijing from 25-27 October 2016. There will be significant Healthcare Provider participation on the agenda.

Cross hospital collaboration to develop a GS1 Standards Framework

Identification, Interoperability and Collaboration to achieve better healthcare within the Australian Capital Territory

Ryan Mavin, Senior Project Program Manager, ACT Government
Monday 18th April 2016

ACT Health

- 400,000 of 24,000,000 Australians live in ACT

  - Aging Population: Heavier demand for services

- Geographically manageable

  - Ideal for whole of jurisdiction innovation and standards implementation

- Investment in Digital Health Infrastructure

- Seeking to leverage this investment

Better outcomes for Patients

Whatever can go wrong, will go wrong.

Clinical Risks
- Wrong blood in tube
- Wrong medications
- Wrong procedure
- Wrong patient

Better outcomes for Patients

Treatment delays

- Equipment and Consumables incorrect or not available
- Staff not available
- Patient given a meal when nil by mouth

Sustainable Healthcare Services

- Spending: broader and better patient outcomes within budgets
- Struggling to rationalise costs
  - many hours manually preparing reports
  - low confidence in information provided
- Data mining labour intensive, incomplete, prone to human error
- **Planning for improvement is based on incomplete data**

Drivers for Change

Better outcomes for Patients	Sustainable Healthcare Services
• Manage Clinical Risks • Care when needed • Equipment, devices and consumables when the patient needs them	• Increase Efficiency • Reduce Waste, Costs • Spend Tax Payer money appropriately

Sustainable healthcare services are needed to deliver better outcomes for more patients. Information to achieve both is the same.

GS1 Engagement

- **2012: Go to market**
  - Expertise in Location Based Services (LBS)
  - Analyse needs and identify industry solutions
- **2013: GS1 Consultancy**
  - Established LBS Steering Committee
  - Review current state, list changes/priorities
- **2014-16**: **GS1 Guidance**
  - Developed and Validated LBS Framework
  - Working through changes/priorities
  - Keeping stakeholders engaged

Location Based Services Steering Committee

- Assembled key stakeholders into Location Based Services (LBS) Steering Committee
- Identifying and capturing opportunities for automation of ID capture and standardisation
- Synergy in collaboration, both People and Systems
- **Directorate knows where to get help and advice on identification standards and capture automation**

Location Based Services Steering Committee

Representation

- Surgical Services
- Blood Products
- Pathology, Pharmacy
- Supply, Security
- Administration
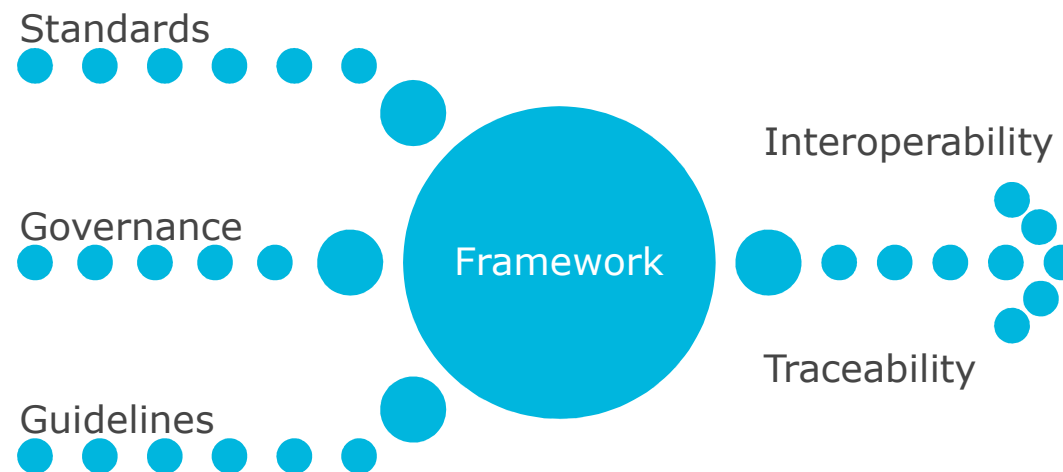- Business Intelligence
- Food Services
- and more

Common Problems
Common Solutions

Location Based Services Standards Framework

- Specify the application of the GS1 Identifiers
- Guideline for how to manage Identifier partitioning and allocation
- Blueprint for an integrated/interoperable future state

Framework Compliance Mandatory

If a product is not part of the solution, it is part of the problem.

- Products and components not supporting GS1 Standards Framework manually managed or not tracked at all

- Cost, Time, Quality impact of manual tracking expected to exceed unit purchase price savings

- Future purchases (consumables and systems) by ACT Health must comply with the Framework

Building Blocks

Currently In Use

- Patient ID Band – GSRN+SRIN in GS1 DMatrix
- Staff ID – GSRN in GS1 128
- Location ID – GLN (Ltd. Locations)
- Product ID – Serialised GTIN (Ltd. Compliance)

Future Projects

- Product ID (Full Compliance)
- Location ID (All Locations)
- Asset ID – GIAI (Where GTIN Not Applicable)
- Patient ID (Specimen) & Document ID – GDTI

Building Blocks

Patient ID Band
GSRN (Patient)+SRIN

Staff ID Card
GSRN (Provider)

Information System Sources of Truth

Patient Administration

- Source of truth for Patients and Episodes
- Allocates Patient Identifiers (GSRN - Patient)
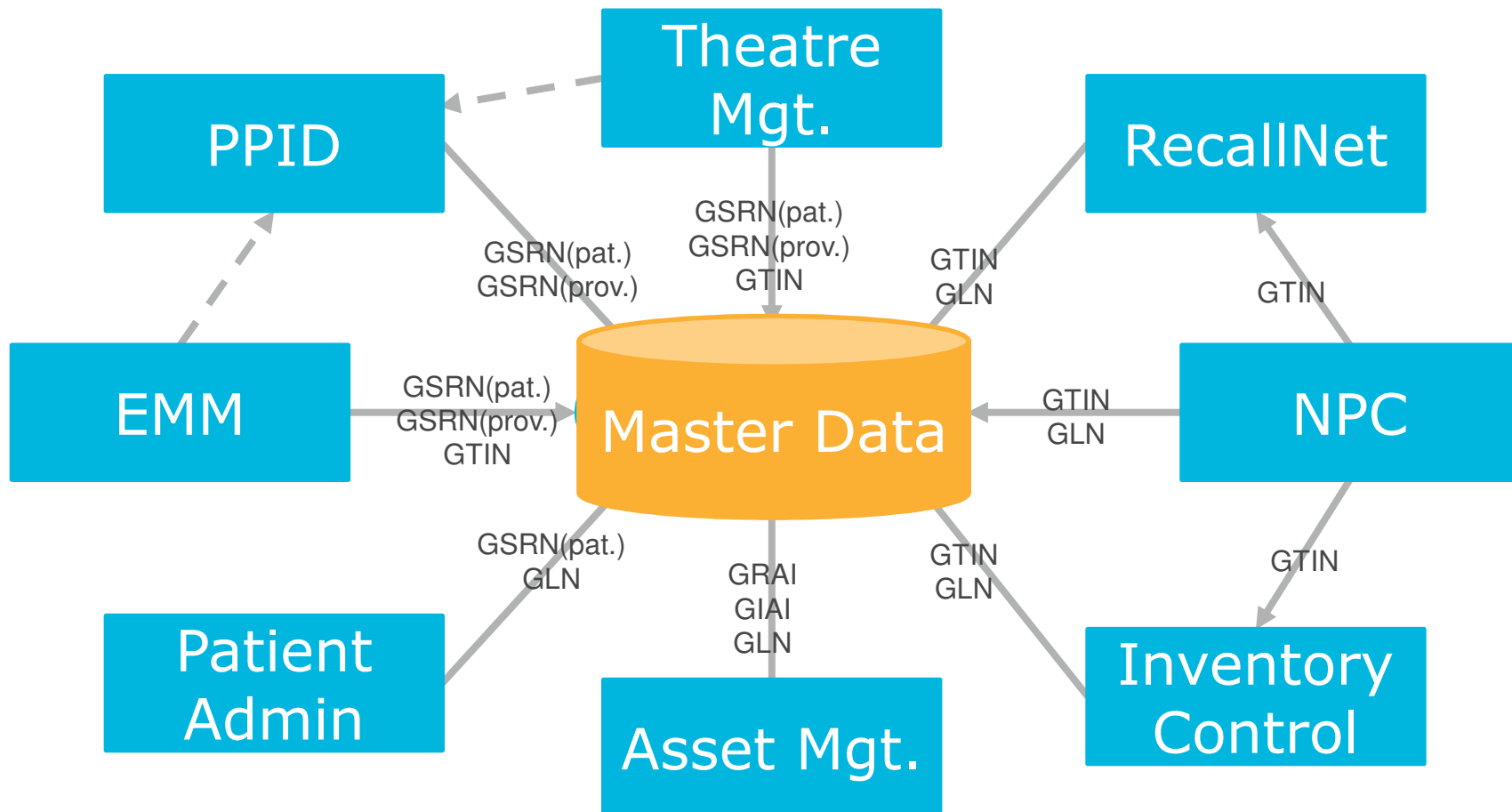- Produces Patient Wristbands

Identity Access Management

- Source of truth for Staff, facility and system access
- Allocates Staff Identifiers (GSRN – Provider)
- Produces Staff ID Cards

Asset Management

- Source of truth for Assets
- Records Serialised GTIN for Assets
- Allocates Asset Identifiers (GIAI) when Serialised GTIN unavailable

Blueprint for Master Data

Positive Patient Identification (PPID)

May 2016

Integrated Lab Order and Collection System

- Patient ID Band + Staff ID Card scanned before collection
- Specimen labelled on collection

Manage wrong blood in tube clinical risk

Positive Patient Identification (PPID)

Future Integration

- Electronic Medication Management (EMM)
- Electronic recording of patient observations
- Administration of blood products
- Identification of patients before procedure

Anticipated Benefits of Framework

- Zero wrong blood in tube incidents
- Interoperability & Reduced Integration Costs
- 100% product recalls notified real-time
- Elimination of Avoidable waste
  - Reduce product wasted/unused across Public Health sector
- Savings % of current spend
- No procedures delayed due to supply issues
- **Accurate activity based costing of Patient Care**

Future Direction

GS1 & Member Org. innovation the key to change ACT Health need to continue to deliver

- National Product Catalogue (NPC) complete
- Smarter ordering delivering when needed
- PPID ensuring the right patient
- Patient to Product linking at point of use
- RECALLNET ensuring timely recall notifications

Synergy created combining these systems will transform ACT Health, enabling our healthcare systems to meet growing demand

Future Direction

- Implementing standards as projects are delivered and solutions upgraded
- Real-time tracking of equipment
- Capturing required information to monitor trends and adapt for the future
- Only products and technology compliant with standards framework have a future with ACT Health

Working with GS1 has made this possible. Together we will make this work

Contact Information

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www.gs1.org

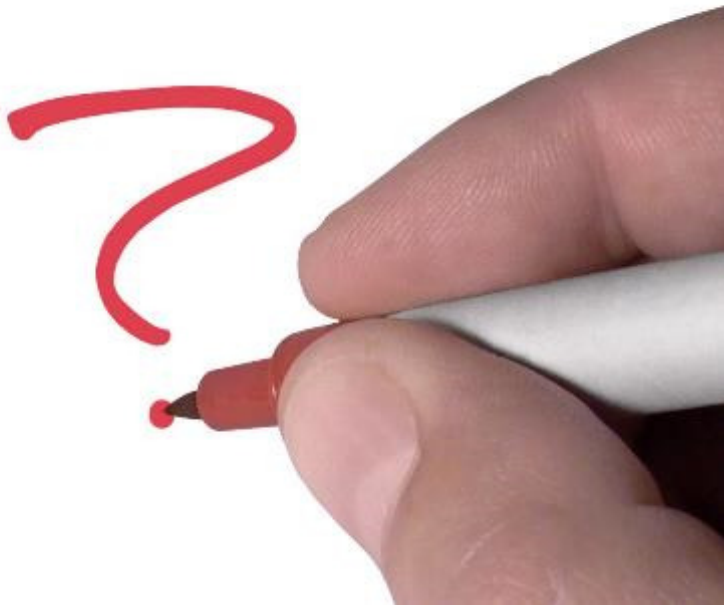# HPAC Questions & Contact Details

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