# Introduction – **Sylvere/Marion**

## Statement of Industry [Business] Needs - **Sylvere**

### Model-Based Enterprise

### Interoperability for supply chain, regulators and customers

### Digital Manufacturing

### Long Term Archival

## Information Standards and how they support of Business Needs - **Marion**

### What are they [and examples like ISO 10303 and?] [I.C]

#### Why are they complex [1.C.1, 1.C.2]

### Who Uses them and how they satisfy the business needs [1.B.1]

### Who Creates them [1.B.1, I.B.2]

### Development Lifecycle of Model-Based Standards [1.B.3]

# Issues with Current Development Lifecycle [in terms of business impact] - **Melissa**

## Issue 1: Development Time Length

### Failure to gain consensus [International Agreements]

#### Poor Requirements Management

#### Poor documentation on agreements and priorities

#### Poor process instructions and compliance

### Volunteer Staff

## Issue 2: Quality/Completeness of the Standard

### Lack of knowledge

#### Knowledge of the data model

#### Knowledge of the development process

#### Knowledge of the tools used for development

### Lack of adequate toolchain

#### Lack of automation

#### Technology Obsolescence

# Solutions to development of model-based standards [using STEP as an example] – **Brandon/Marion**

## Adoption of Agile Framework [II.A, II.B] - **Brandon**

### What and How to use Issue Management [backlog]

### What and How to use Increment Planning and Agile Release Trains

## Improved Tool Chain [II.C] -

### Requirements Management and Traceability [II.A.1] - **Marion**

#### Complete Solution View

#### Current Tool availability

#### Future Research Needed

### Continuous Delivery Pipeline - **Brandon**

#### Continuous Exploration

#### Continuous Integration

#### Continuous Deployment

# Benefits – **Brandon/Sylvere**

## Standards Developer - **Brandon**

### Clear requirements and expected outcomes [IV.A.1]

### Early feedback on issues [e.g. integration]

### Clear priorities and statement of work

## Industry [Business] Enterprise - **Sylvere**

### Quicker releases of capability

### Higher quality of content

# Conclusion - **Team**

## Restatement of key business Needs

## Summary of how solutions address the needs of the industry by:

### Speeding the delivery of Standards

### Improving the quality of the standard

# Glossary of Terms - **Team**