**INTRODUCTION**
Historically, using excel has been the main system for organizing and storing metadata, within AstraZeneca and the wider industry. Excel is particularly challenging when it comes to managing versions, reuse of the standards and sharing with vendors. This paper will share how AstraZeneca is planning to change the standards governance using the implementations of EntimICE-AZ system developed by entimo. Early Clinical Development (ECD) within AstraZeneca, which specialises Phase I and II trials it is important to have easy access to the latest controlled standards to swiftly implement those in the dynamic study execution phase.

**ECD BENEFITS**
Central organisation developing the corporate core standard, Sharing standards cross science units for swift access to standard references during standards enhancement. One source of generic core standard for all AZ studies regardless of phase. Simple request system within the system for quick standards augmentation. Dedicated ECD area for Dictionary management.

**SHAREPOINT CHALLENGE AND SHIFTING TO ENTIMICE-AZ SYSTEM**
Currently all AstraZeneca standards are stored in excel spreadsheets by domain on SharePoint. This is quite challenging and difficult, when it comes to version control, reusing the standards and sharing with vendors. To overcome this challenge AstraZeneca has launched the Integrated Clinical Analysis & Reporting Environment (iCARE) program which benefits ECD for managing, monitoring and evaluating drug development and to test assumptions. The iCARE environment has three components called EntimICE-AZ. Clinical Trial Data Storage (CTDS) and Master List of Clinical Studies (MLCS).

**ENTIMICE-AZ**
EntimICE-AZ is a metadata driven statistical computing environment, with a tightly integrated data and metadata repository. The goal of the solution is to provide a unified programming interface for SAS, R with access to integrated flows of data. The highlights are:
- Development and Production environment features
- Unified and efficient programming
- Easy interfacing to source and tools
- Central library of reusable standards
- Transparent governance process

**STANDARD METADATA REPOSITORY (SDMR)**
All AstraZeneca science units will use the EntimICE-AZ standards hierarchy, the standards metadata repository. Access will be granted to the standards hierarchy based on named users. All user who have access to system will also have read-only rights to all standards production directories. A separate hierarchy following the same folder structure will be created for the TA and drug project specifications.

**CONCLUSION**
EntimICE-AZ is a complex system with ample number of new components for AstraZeneca to embrace. It is envisaged that the knowledge, process and efficiencies needs to be built over a longer period of time. The implementation of the system will therefore be phased having overlapping solutions until the complete EntimICE-AZ Suite content has been developed and deployed into the organisation.