

EGI Deployment Plans

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- What is UMD?
- Populating UMD
- Publishing UMD

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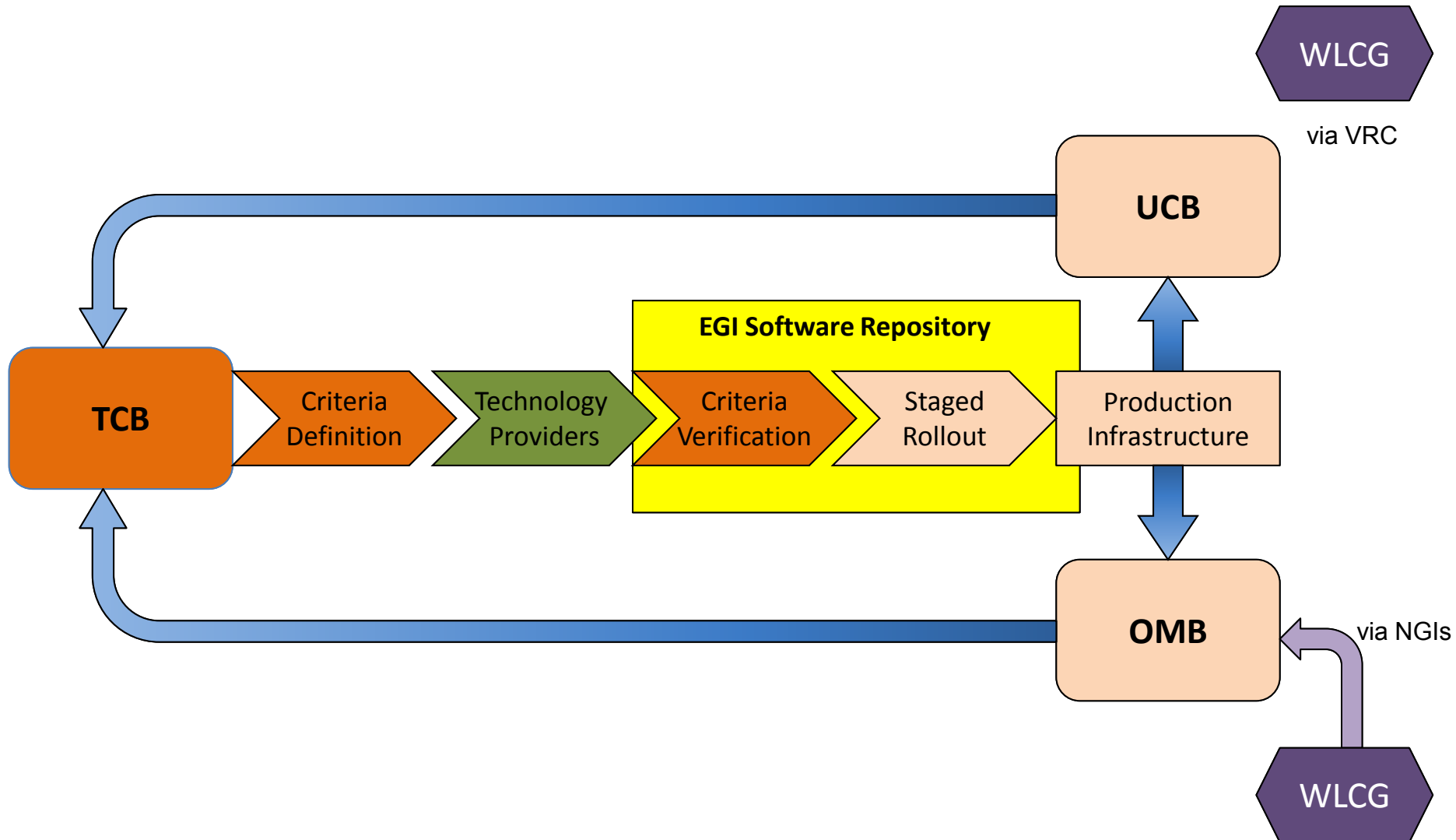
- Unified Middleware Distribution (UMD)
 - UMD the integrated set of software components that EGI makes available from Technology Providers according to users and operations needs
- UMD Roadmap
 - describes the capabilities of the software within UMD and how the functionality within each capability will evolve to the requirements from the community
 - reviewed every 6 months

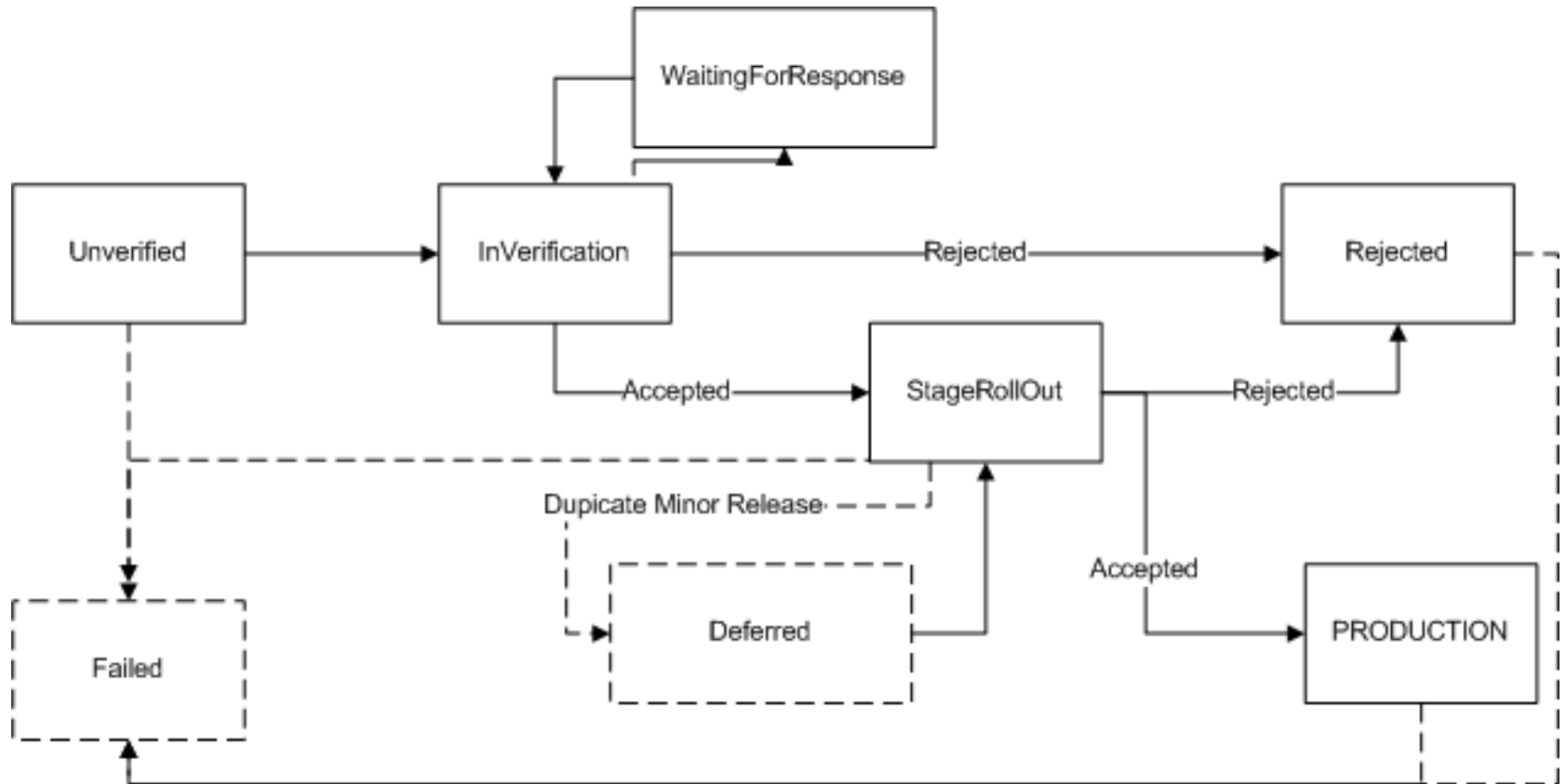
- UMD is categorised by Capabilities
 - E.g. Compute Job, Information System
- UMD is populated with Products
 - Products satisfy these Capabilities
 - E.g. GRAM5, BDII
- Products are delivered by Technology Providers (e.g. EMI, IGE, ...)

- Quality criteria to define the expected characteristics of the products delivered
- Validation and staged rollout
- 1st and 2nd line support to users and site administrators, 3rd line support is from the Technology Providers
- Integration of products from different Providers
- Requirements gathering from all communities

- UMD is not static and is **priority driven**
- Input on requirements is **required**
 - from **Virtual Research Communities** – WLCG should form a VRC
 - User Community Board (UCB)
 - from **Resource Infrastructure Providers and the respective sites**
 - Operations Management Board (OMB)

UCB and OMB provide the basis for change in the UMD





Status Set by the Repo as Response

Response from the Repo Daemon

Action By Hand

Grids are like kitchen!

- They come in many shapes and forms
 - They may be large, or small.
 - They serve specific purposes.
- Whatever their look and feel, to use it:
 - They provide key capabilities to the user.
 - Many providers offer Products implementing those capabilities.
 - Products can be freely replaced.

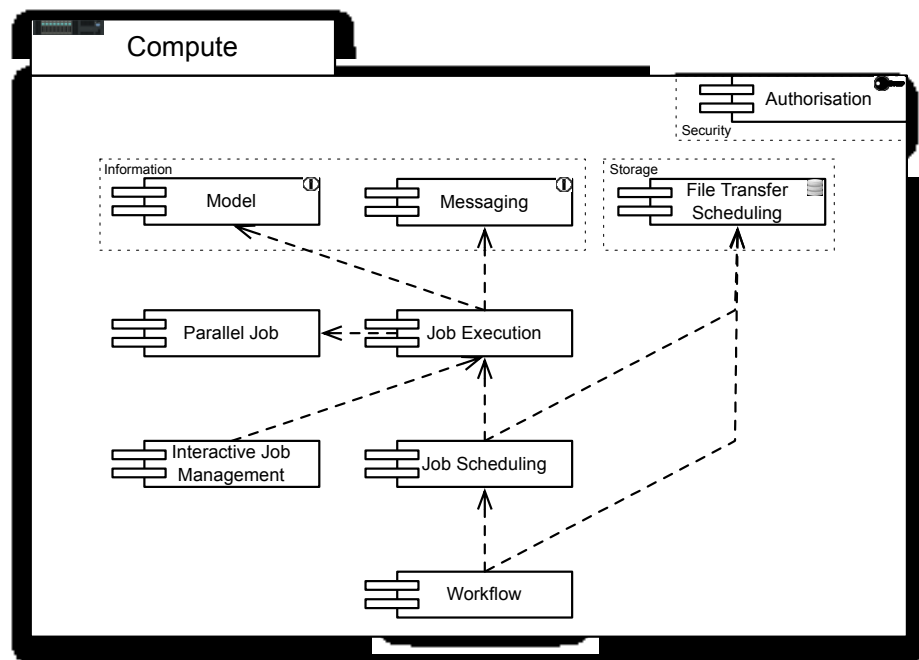
UMD is the department store

- It offers the variety
- It provides **Products** that **interoperate** well
- It may advise on benefits, but not on what to “buy”.

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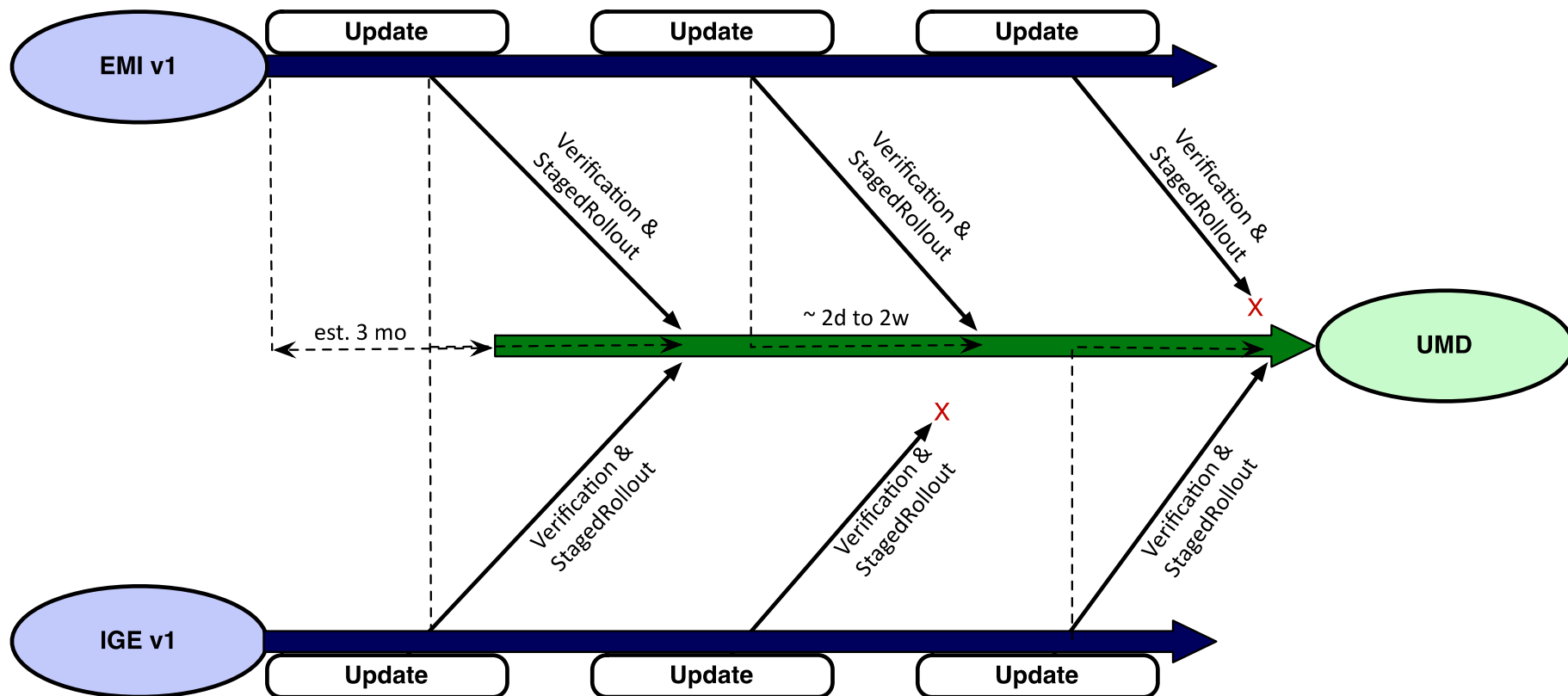
- Recall:
 - Industrial dishwashers serve a purpose
 - Single household dishwashers too!
- OMB and UCB
 - give feedback and priorities
 - define quality criteria
 - UMD includes Products that meet the agreed quality standard
- Verification Criteria define what is included or rejected

- Capabilities require other Capabilities
 - Products are needed to satisfy dependent Capabilities
- [UMD Roadmap v2](#)



- Critical bug fixes
 - Security fixes
 - New functionality for key Capabilities
 - Product popularity
 - Support schedules
- Priority and its implications determine the
order of verification and release

- What is UMD?
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- UMD Major versions as required
 - UMD v1 is published when all key Capabilities are covered
 - Estimated max 3 months after publication of EMI v1
- UMD minor versions
 - Driven by Product updates
 - Driven by Community priorities & requirements
- Technology Provider release schedules are required for refinement of this plan

- Community support can be useful if the Technology Providers support a limited set of platforms (e.g. SL5/64)
 - EGI is collecting information from NGIs about platforms needed
 - Sites may support other platforms?
 - EGI provides [Community Repository](#)
 - Sites could compile to their target platform
 - Binaries are uploaded into repository
- ⇒ [Who can contribute which platform?](#)

- EGI Community Repository
 - no Quality Control of uploaded Products
 - ⇒no inclusion in UMD releases
 - Unless it passes full Verification & Staged-Rollout
- For inclusion in UMD
 - Sites/communities become TP for a platform
 - Commitment to platform support and bug fixes
 - On top of original Technology Provider
 - Commitment to Staged-Rollout EA is required

- Quality Criteria and coverage?
- Priorities?
- UMD update **frequency**
 - As validated? Or Monthly? Quarterly?
 - Security updates are exempt from that
- Who will contribute other platforms?
 - Debian? Mac OS X? Windows Server 2008?
 - Which platforms are key?
- Looking for more sites participating to staged rollout
 - <https://www.egi.eu/earlyAdopters>