UNOS Information Technology Advisory Committee (ITAC)

Robert Merion, MD

June 23, 2014

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UNOS DONATE LIFE

UNITED NETWORK FOR ORGAN SHARING

Agenda

- Opening Remarks – Robert Merion 5 min's
- IT Staffing Update - Jo Anne Snyder 10 min's
- IT Update – Alex Tulchinsky 30 min's
  - Key Project Updates
    - Recently Complete
    - Currently in Progress
  - First 60 Days – Observations, Evaluations, Direction
- Establishment of User Group 10 min's

IT Staffing Updates

Building the Pipeline of Talent
June 2013 – June 2014

Filled and Open Positions

- 58 positions filled
- 22 vacant positions
  - 8 posted positions (3 new, 5 replacements)
  - 14 positions on hold
    - 19 positions reallocated (October)

Talent Acquisition

- Setting expectations
- Removing barriers
- Implementing best practice
- Reviewing with hiring leader

Building the Pipeline of Talent

Job Fairs
- RVA Career Expo (81 attendees) (Oct)
- VCU College of Engineering Spring Career Fair (30 attendees) (Feb)
- VCU Non-Profit Spring Career Fair (50 attendees) (Feb)
- (4) Onsite Job fairs (125 attendees) (Nov, Dec, Jan, Feb)

Recruitment Firms
- Rebuilding relationships
- Decreased the number of firms by 50%

Relationships in the Community
- Partnership with colleges and universities
- Building internship opportunities in 2015

IT Update

Work Completed Since November 2013

- CPRA
  - Final updates to CPRA calculation and HLA frequency tables
- KAS – Ki/PA Wait Time
  - Allow Transplant Centers to update kidney qualifying data
- KAS – Phase 1 Release
  - EPTS calculator
  - Additional data elements for upcoming change to the allocation algorithm
- KPD
  - Kidney Paired Donation programs now have the ability to view the exchange and match donor information, as well as enter their match offer responses directly into the KPD application within UNet^{SM}. All match offer responses are recorded using the KPD application.

Work Completed Since November 2013

- Modify Patient Safety – Part 1
  - Updates to safety data entry and categorization
- Modify requirements for mandatory HTLV-1/2 testing for all potential donors
  - Removal of requirements for serology
- Reorganize hemodynamic data on adult heart Status 1A justification form
  - Improvements and re-organization of data entry form
- VCA Program Type Added to Membership Application
  - Membership Application now includes transplant program pages for VCA to allow Membership Dept. staff to collect and track the necessary membership data for vascularized composite allografts (VCAs)
- DonorNet Improvements (Non Policy)
  - Expanded Browser Compatibility (IE 10, Apple Safari, Google Chrome)
  - Full site availability on iPad and Android tablets

BoD Projects in Progress

- KAS Phase 2
  - Integrate EPTS calculation into a national kidney allocation system
- LAS – add bilirubin to lung algorithm
  - Add parameters for survival modeling
  - Provide calculation results of wait list urgency and transplant survival measures to users
- Uniform National Pancreas Allocation
  - Create a new kidney/pancreas and pancreas allocation system

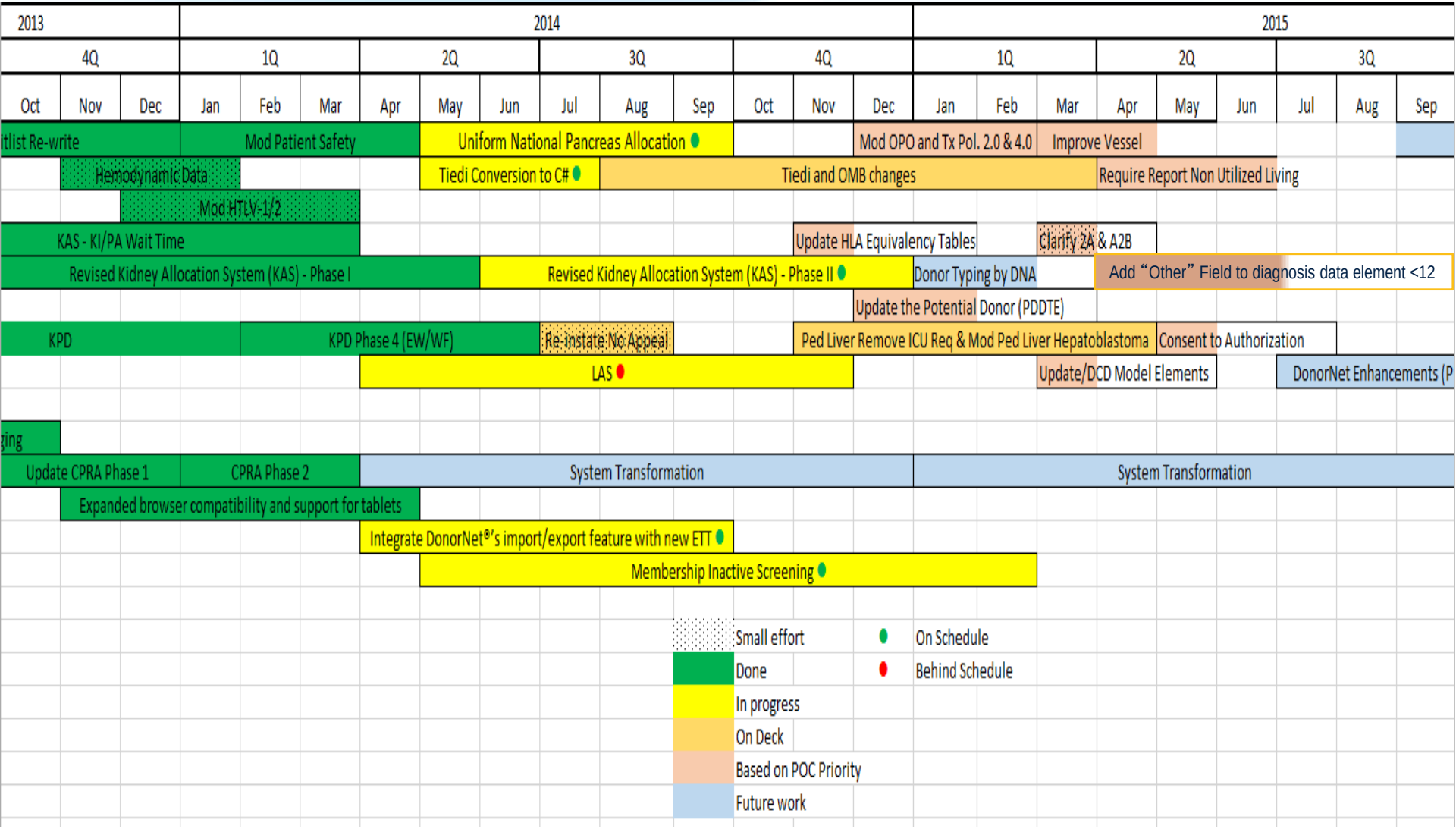
Non-Policy Projects in Progress

- Electronic Tracking and Transport (ETT)
  - Integrate DonorNet's import/export feature
- Membership Form Automation
  - Eliminate the need to fax in forms
- OPTN Website Redesign
  - Includes enhancements for Public Comment
- Screen candidates at Inactive Programs
- SharePoint 2013
  - Provides improved look/feel and tighter integration with MS Office
  - Migration of external SharePoint sites has begun
  - Target completion: June 30th
- Password Reset
  - Will no longer need to call the Organ Center to reset passwords for SharePoint and UNet
  - Target completion: Q4 2014

Upcoming Projects

- Reinstate the “No Appeal/No Withdraw” button for denied MELD/PELD exceptions
- TIEDI OMB changes
- Improvements to vessel disposition reporting
- Modify OPO and Transplant Center requirements
- Clarify data entry screens for A2 and A2B in UNet
- Potential Donor-Derived Disease Transmission Event (PDDTE) form
- Ped liver remove ICU requirement & modify ped liver hepatoblastoma
- Update HLA Equivalency tables

IT Work Plan Since November 2013



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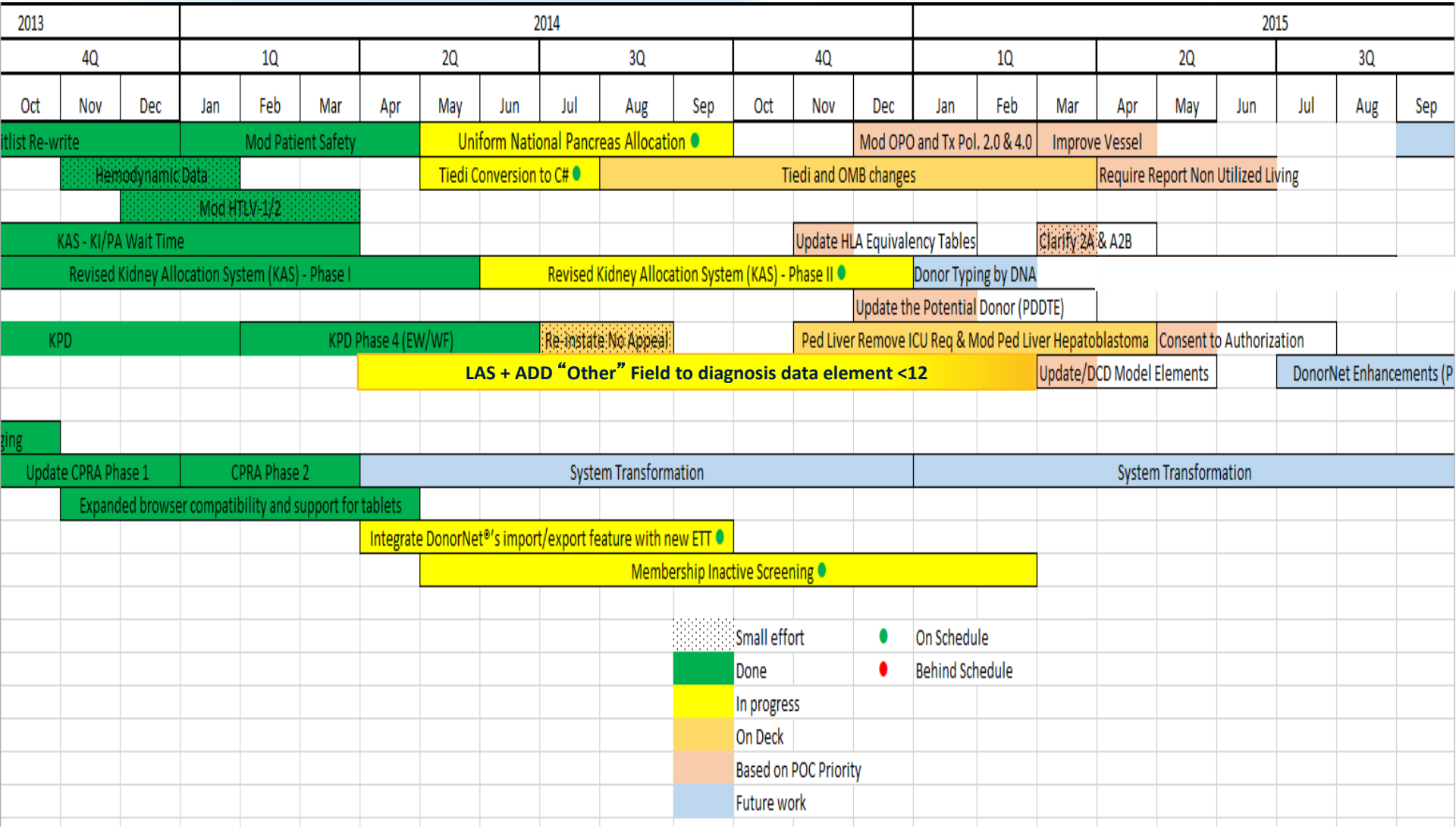
Revised Work Plan: LAS proposal



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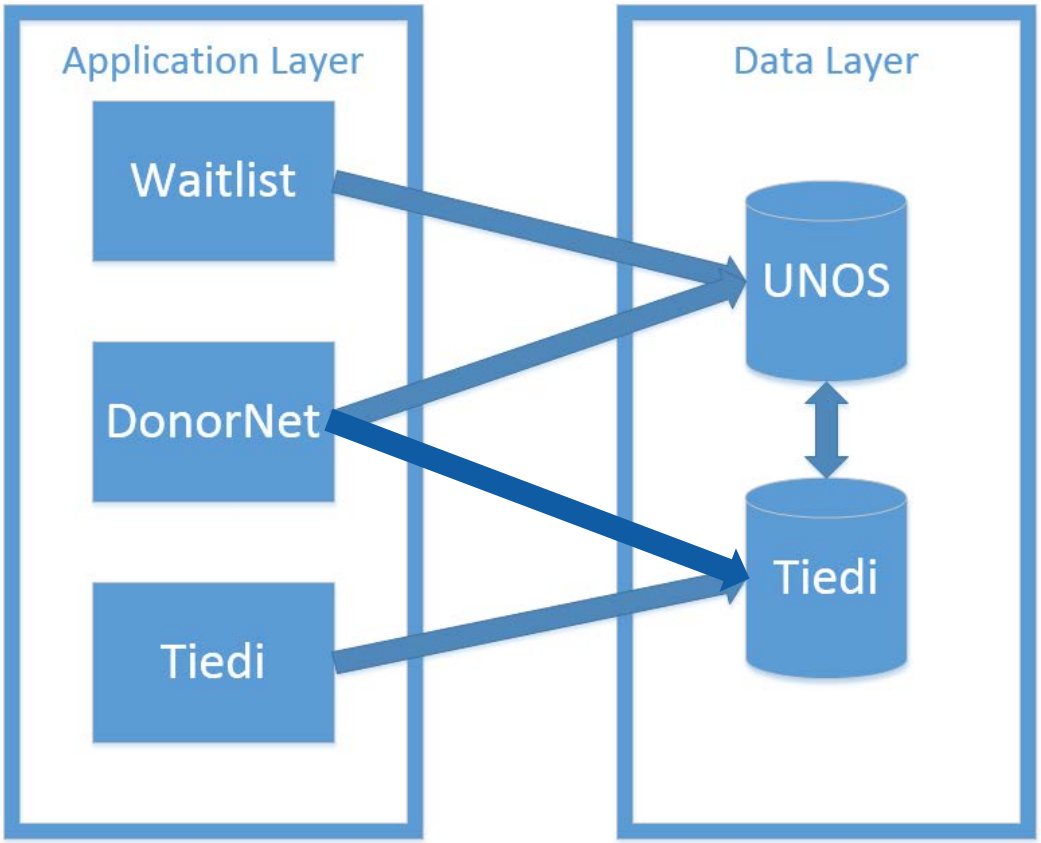
Going Forward – Streamlining the Process

UNOS IT will be nimble, agile and focused providing the best experience possible for the community

- Eliminate unnecessary processes from the workflow
- Focus on the user experience and engage with the community
- Advance the capabilities of the IT organization

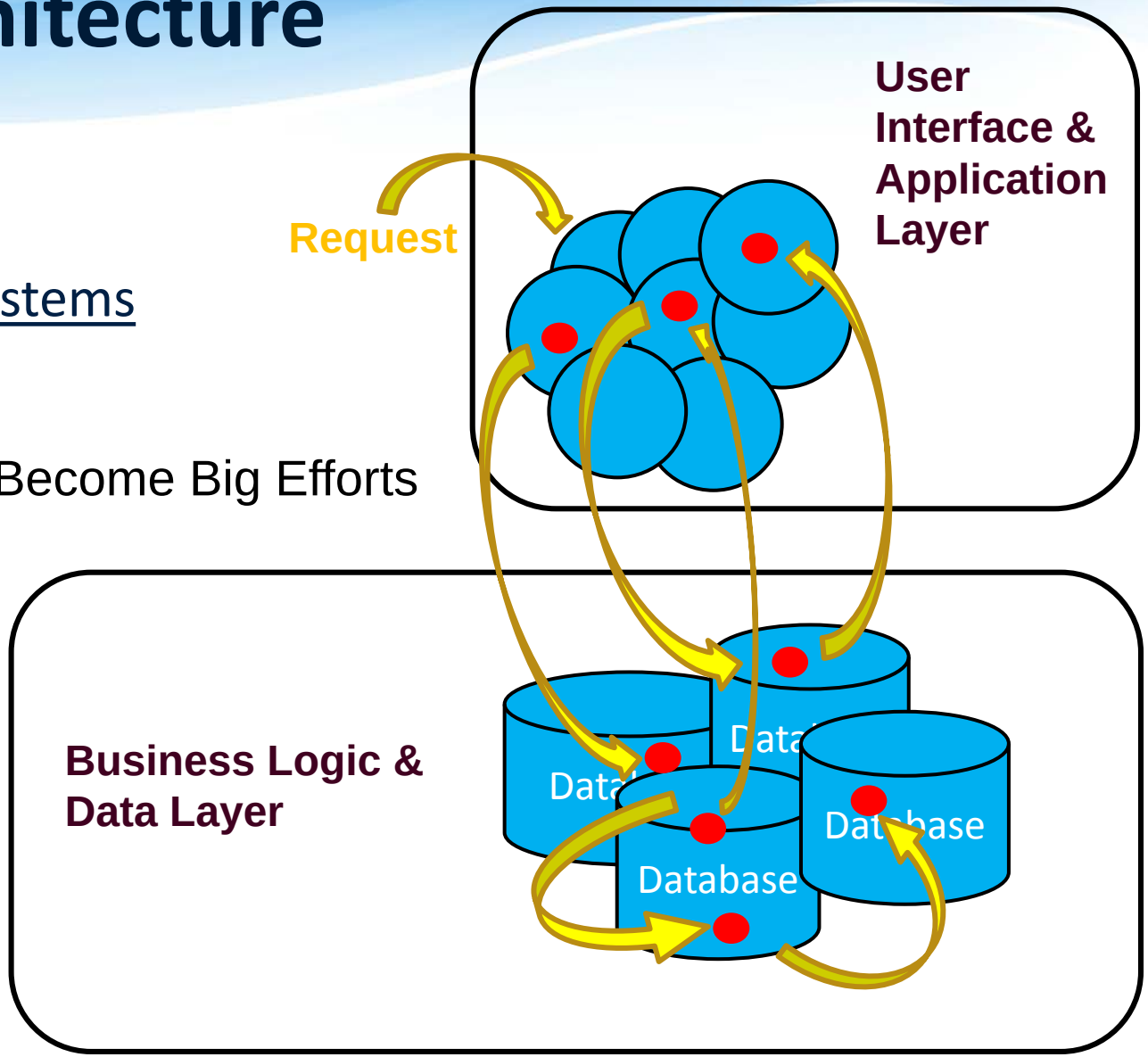
UNET Connections @ High Level View



Current Architecture

Tightly Coupled Systems

Small Changes … Become Big Efforts



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Going Forward – Creating a Scalable Architecture

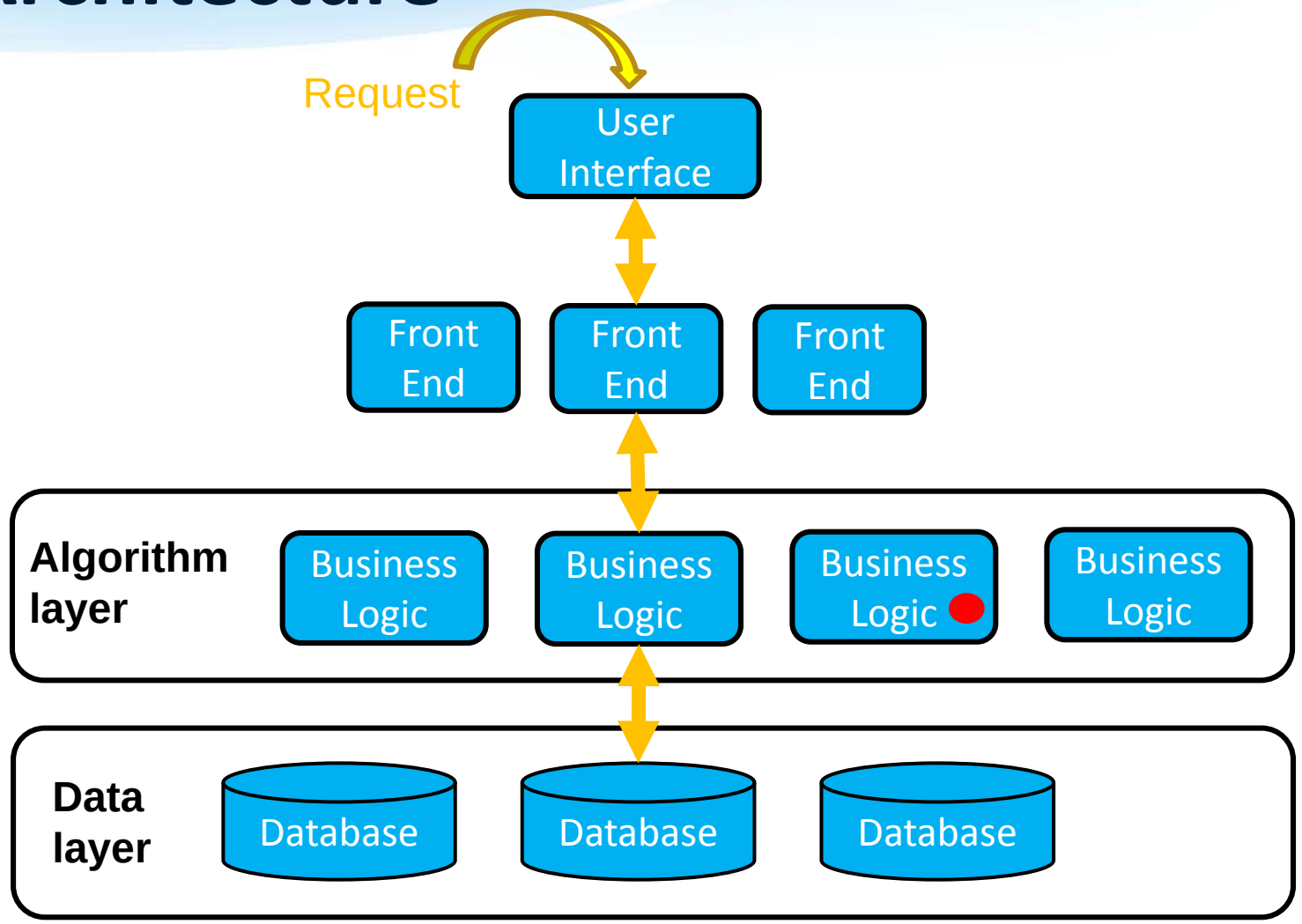
UNOS IT will provide a sustainable, long-term architecture to meet the needs of the Donor and Transplantation Community

- Reduce the complexity of the existing architecture
- Provide incremental and continuous improvements
- Ensure Business Continuity for Key OPTN Services

Target Architecture

Modular Services operating independently of one another

Small changes have limited impact



Beyond Policy Driven Change

BoD Projects

Community and UNOS Input

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Allocation Changes

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Business Continuity

- The current backup site is not a practical solution to continuing operations
  - Capacity constraints due to manual efforts and system resources
  - Fail back to primary site is difficult and time consuming

- Goal – October 1st
  - Define realistic technology continuity requirements
  - Determine the gaps
  - Develop a plan and schedule to close the gap and provide the proper level of business continuity

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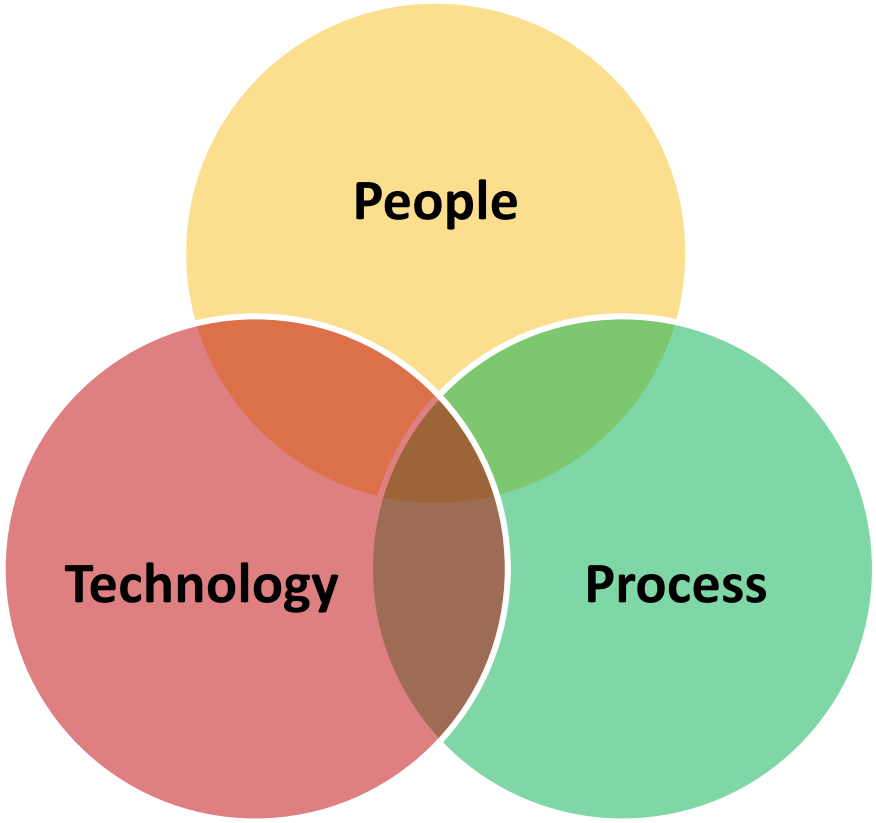
UNOS IT – Becoming a Catalyst

Move UNOS IT from a culture of maintenance to one of service

- Increase functionality
- Deliver solutions faster
- Improve user experience
- Engage community more
- Empower users



Establishment of User Group

Goals, audience, engagement

- Review objective of this effort
  - Increase functionality
  - Deliver solutions faster
  - Improve user experience
  - Engage community in solutions
  - Empower users
- Target audience for this initiative
- Rules and logistics on engagement

Thank you

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