Centiura

We Nurture Innovation

Global Delivery Rigor

An overview

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At a Glance

Centiura

★ **Centiura Global Delivery Process**

★ Delivery Framework

★ Delivery Management

★ Quality at Its Best!

Global Delivery Process
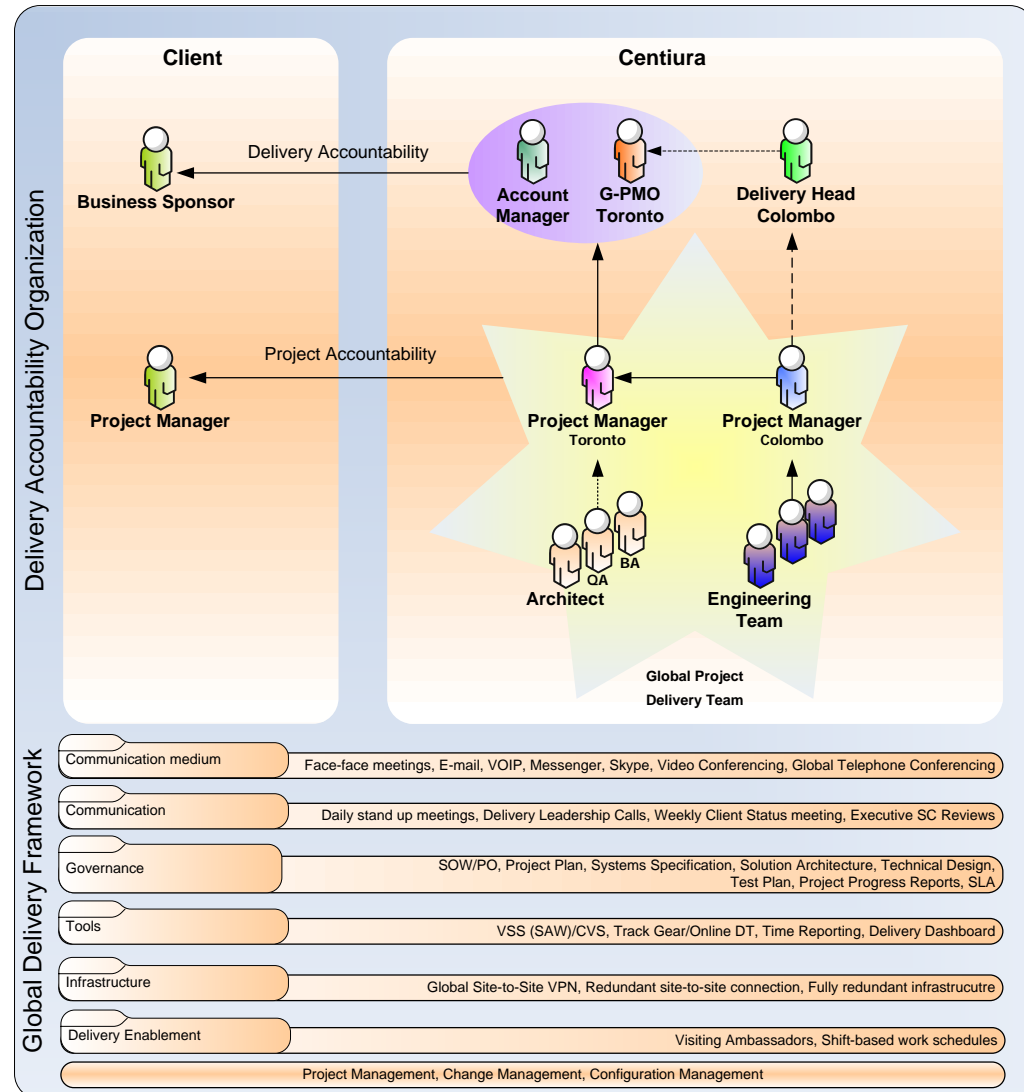
✴ Inspired from the best practices of RUP, Agile, RAD and Open Source

» extended to work efficiently over two time zones

» well defined, yet flexible

» evolving and Iterative

✴ Visibility at all stages of the delivery life cycle

» code, quality, productivity, Risk and challenges management

CGDP Core Values

- **Chew small bites at a time**
  - » Accomplish tangible results in 'small iterations'

- **Continuous visibility and improvements**
  - » Frequent artefact review cycles
  - » Truth as it is

- **Establish a team spirit with virtual teams**
  - » One team concept – client, account management and the technical team geared towards the common mission

- **Automation as much as possible**
  - » Continuously improved during project lifecycle

- **Continuous communications**

- **Shared Delivery Ownership**

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Delivery Framework

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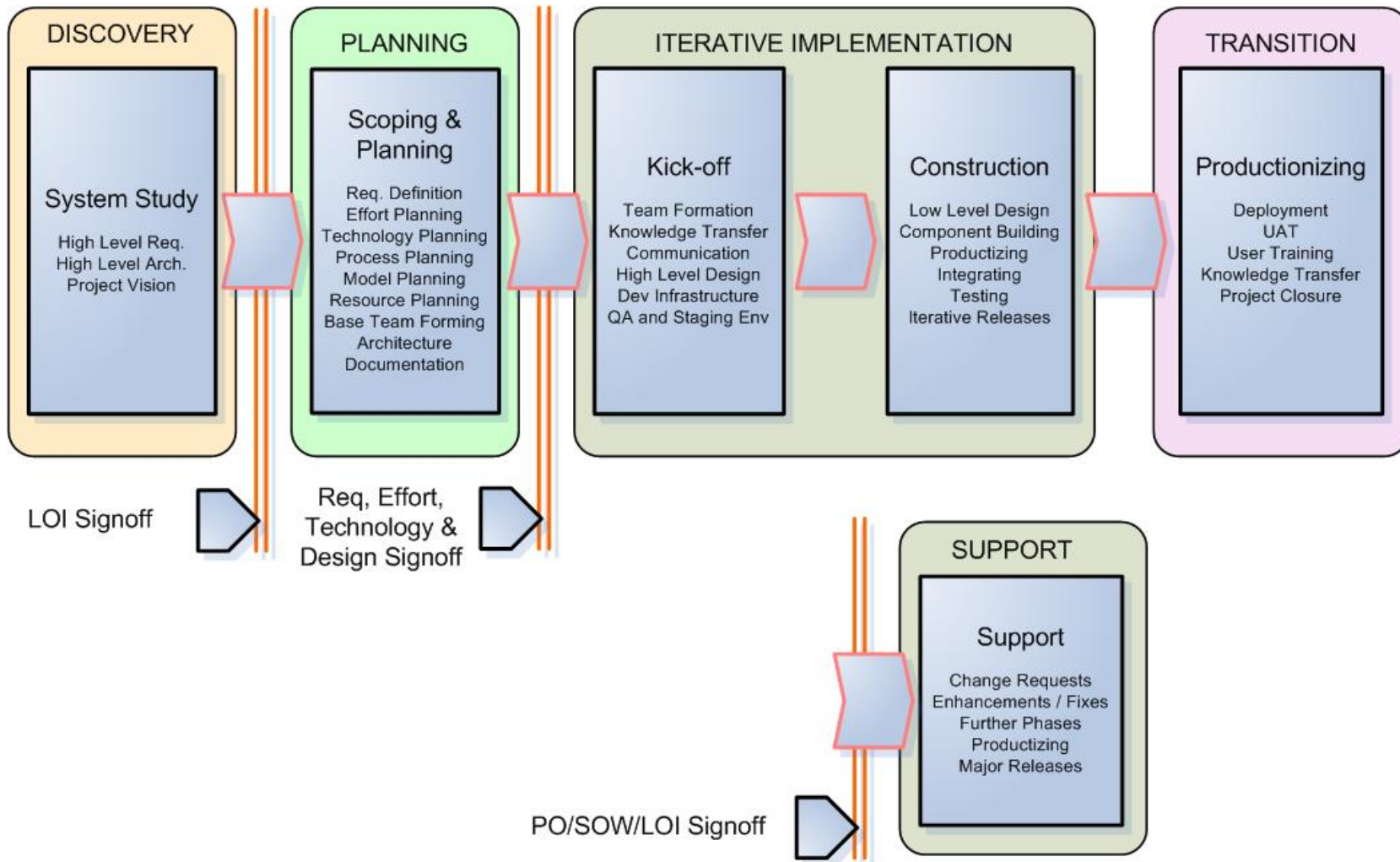
* **Local Delivery Accountability in Canada**

* **Solid Management and Delivery foundation**

* **Client Relationship strengthening at every level from executive sponsor right through to the team level**

Client

Centiura

Delivery Accountability Organization

Business Sponsor ← Delivery Accountability — Account Manager | G-PMO Toronto | Delivery Head Colombo

Project Manager ← Project Accountability — Project Manager Toronto | Project Manager Colombo

Architect | QA | BA

Engineering Team

Global Project Delivery Team

Global Delivery Framework

Communication medium	Face-face meetings, E-mail, VOIP, Messenger, Skype, Video Conferencing, Global Telephone Conferencing
Communication	Daily stand up meetings, Delivery Leadership Calls, Weekly Client Status meeting, Executive SC Reviews
Governance	SOW/PO, Project Plan, Systems Specification, Solution Architecture, Technical Design, Test Plan, Project Progress Reports, SLA
Tools	VSS (SAW)/CVS, Track Gear/Online DT, Time Reporting, Delivery Dashboard
Infrastructure	Global Site-to-Site VPN, Redundant site-to-site connection, Fully redundant infrastrucutre
Delivery Enablement	Visiting Ambassadors, Shift-based work schedules
	Project Management, Change Management, Configuration Management

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High Level Delivery Road Map (non-Agile)

DISCOVERY

System Study

High Level Req.
High Level Arch.
Project Vision

LOI Signoff

PLANNING

Scoping & Planning

Req. Definition
Effort Planning
Technology Planning
Process Planning
Model Planning
Resource Planning
Base Team Forming
Architecture
Documentation

Req, Effort, Technology & Design Signoff

ITERATIVE IMPLEMENTATION

Kick-off

Team Formation
Knowledge Transfer
Communication
High Level Design
Dev Infrastructure
QA and Staging Env

Construction

Low Level Design
Component Building
Productizing
Integrating
Testing
Iterative Releases

TRANSITION

Productionizing

Deployment
UAT
User Training
Knowledge Transfer
Project Closure

SUPPORT

Support

Change Requests
Enhancements / Fixes
Further Phases
Productizing
Major Releases

PO/SOW/LOI Signoff

Iteration and Test Driven Delivery

★ **Short development cycles
(typically 3-6 weeks of duration)**

» Selected feature list is developed, tested, deployed, reviewed
with the client

» Suggestions/improvements are presented to the Change Control
Board

» Schedules, cost structures adjusted to reflect the approved
change

» Changes are carried out to the next iteration depending on the
priority

Iteration and Test Driven Delivery

* **Test-Driven development**
  » Write unit test case first as per the guidelines in the process
  » Approximately 30% of source code is unit test case code (non-production code)

* **Functional/non functional test cases created during Elaboration**
  » The feedback loop that ensures the proper grasping of client business and system requirements by the global team

Integration and Build Management

Centiura

- ✦ **Continuous and seamless Integration**
  - » Globally shared code and document repository
  - » Automated Daily builds using automated build scripts
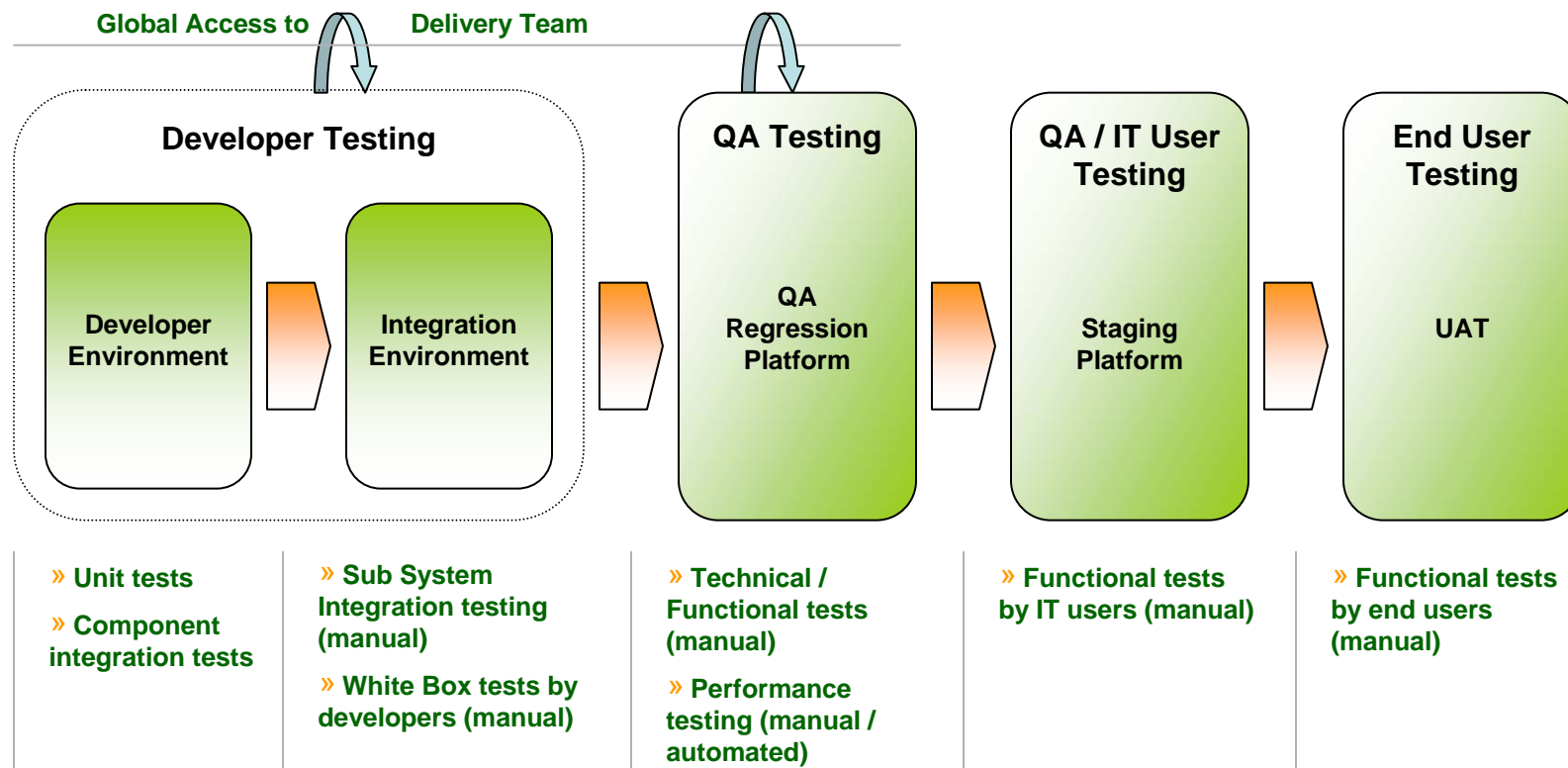 - » self-testing code (Unit Testing)

- ✦ **Dedicated Build Master for each project assignment**

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Quality Focus

✴ Quality Gateways are imposed throughout the delivery life cycle

- » Requirements reviews and sign off
- » Design and Architecture review and sign off
- » First 100 LOC is reviewed by the project Architect
- » Incremental/Milestone Code Reviews
- » Peer code reviews
- » Evangelist Reviews (reviewed by a technology guru outside project team)

Delivery Quality at Its Best

✦ **Rigorous testing performed**

  » at various stages of the development life cycle

  » By various team roles

Global Access to **Delivery Team**

Developer Testing		QA Testing	QA / IT User Testing	End User Testing
Developer Environment	**Integration Environment**	**QA Regression Platform**	**Staging Platform**	**UAT**
» **Unit tests** » **Component integration tests**	» **Sub System Integration testing (manual)** » **White Box tests by developers (manual)**	» **Technical / Functional tests (manual)** » **Performance testing (manual / automated)**	» **Functional tests by IT users (manual)**	» **Functional tests by end users (manual)**

Intellectual Property

- ✶ Employee Education
- ✶ Employee Background Check
- ✶ IP Policies
- ✶ Systems Security
- ✶ Physical Security

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