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Shared CROMERR Services

An Introduction

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- Areas of CROMERR implementation are overly burdensome
 - Establishing a technical implementation is challenging
 - Obtaining EPA approval of applications is too difficult
- States/Tribes implement independent CROMERR solutions
- Shrinking State resources require new innovative approaches

Objective: “Define the requirements and policy implications for a shared set of CROMERR Services and Components that could be leveraged by states, tribes, and local governments to achieve CROMERR compliance.”

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IPT Initial Focus:

Four Categories of CROMERR Requirements

- 1) Registration and Account Management
- 2) Identity Management
- 3) Signature Device
- 4) Signature Ceremony/Copy of Record

- Reduce barriers for compliance
- Greater CROMERR Collaboration and Assistance
- Establishment of Common Support Models
- Consistent Audit and Enforcement Practices
- Realize Cost Savings
- Facilitates a User Friendly Experience

- 09/27/2012 - Shared CROMERR Charter (18 States)
- 09/27/2012 - CROMERR Services (SCS) Response Summary
- 10/18/2012 - Components Guidance and Recommendations
- 11/15/2012 - Communications with EN Community/Grant Applicants?
- 03/14/2013 - Application Status and Outreach Results
- 03/30/2013 - Phase 1 Pilot Services and API Guides
- 08/29/2013 - Kick-off Call for Phase 2 of the CROMERR IPT

Exchange Network Shared CROMERR Services Website

<http://www.exchangenetwork.net/shared-cromerr-services-ipt/>



Current CROMERR Pilot Status



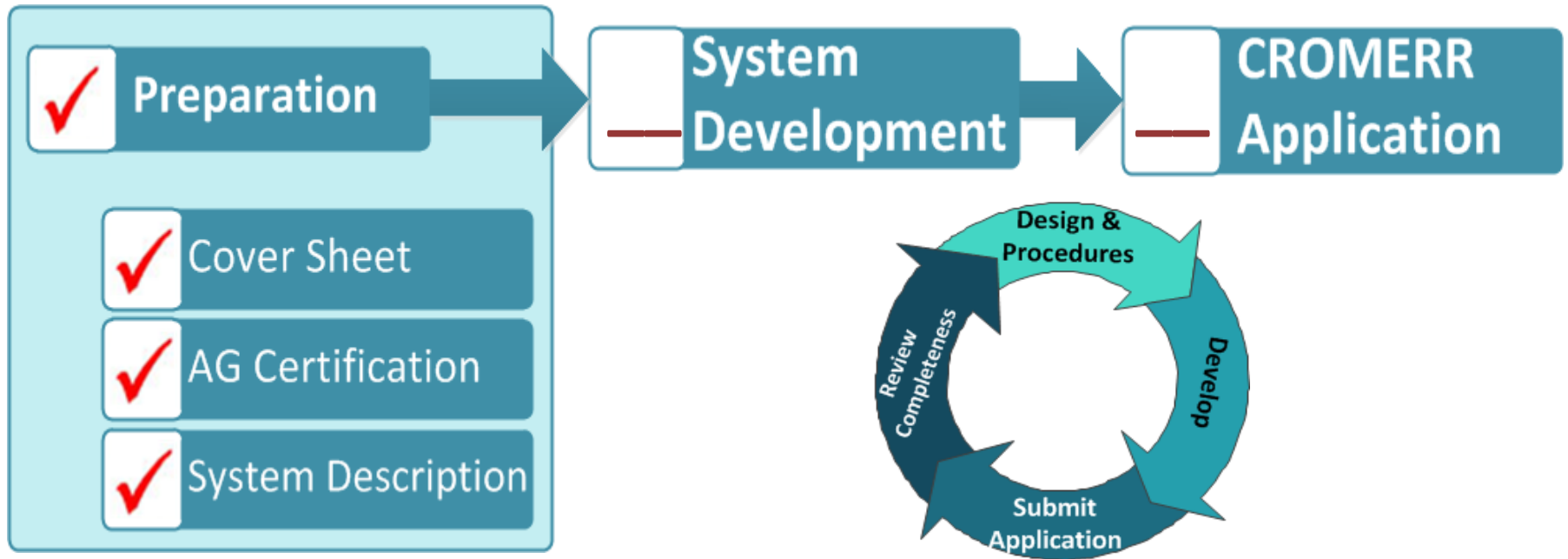
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CROMERR Training Website*

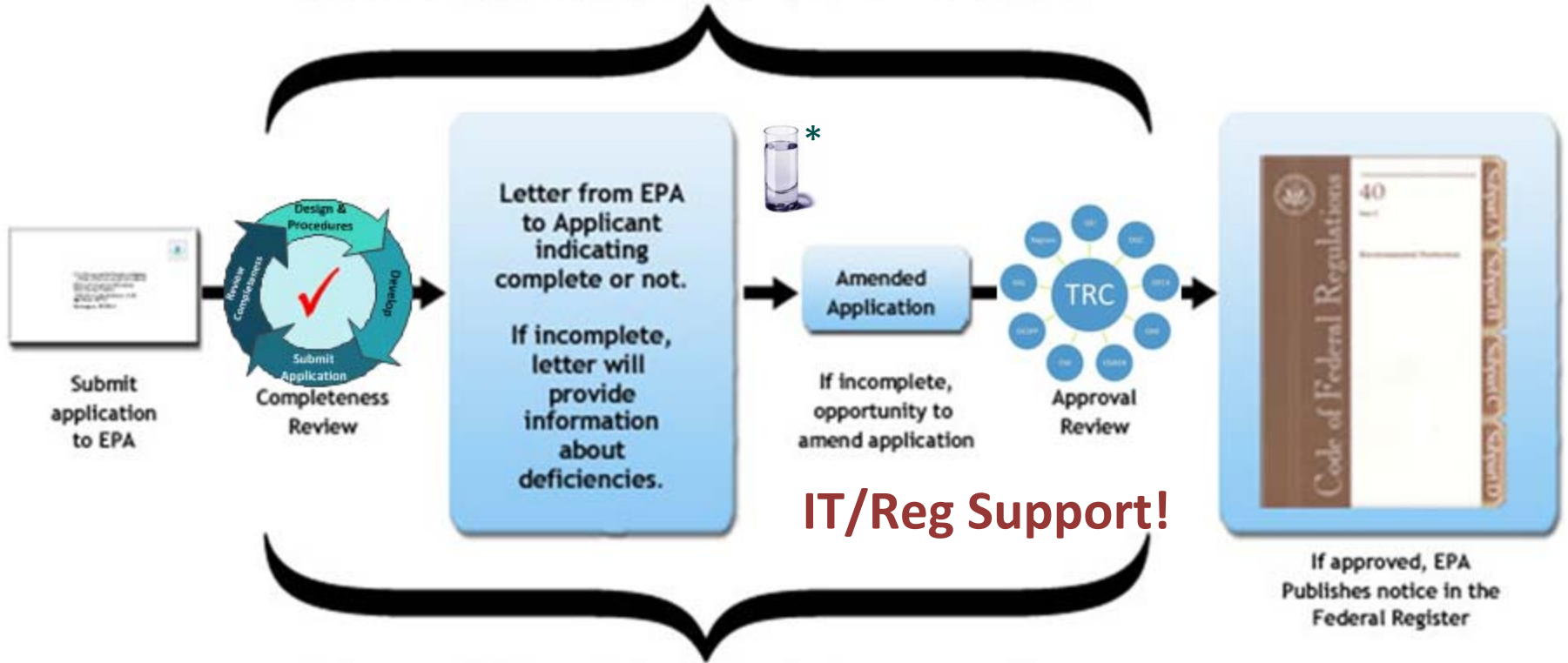


Shared CROMERR Pilot IPT - CROMERR Toolkit

*Technical Review Committee Training Website:

<http://www.epa.gov/cromerr/training/cromerr101/lesson3/L03-070.html>

Technical Review Committee



Regulated Agency AND Shared CROMERR IPT members

State CROMERR Pilots

Legend:

- State has tested service
- State may use service in future
- State will not use service

State	Environment	Reports	Target Production Date
Arizona	Test		
Illinois	Development		
Indiana	Test		
Iowa	Test	<ul style="list-style-type: none"> Title V Operating Permit Application Title V Source Emissions Inventory Minor Source Emissions Inventory Air Quality Construction Permit NPDES Permit Application Discharge Monitoring Report 	NLT8/2014
Massachusetts	N/A		
New York	Development		
North Carolina	Development	<ul style="list-style-type: none"> Emissions Inventory 	
Ohio	N/A		
Pennsylvania (Philadelphia)	Development		

User Management	Identity Management	Signature Device	Signature	Sign and Store CoR
	●			
●		●		
●	●	●	●	●
●	●	●	●	●

Registration and Account Management

UserManagementService

- ChangeUserPassword
- Authenticate
- UpdateUserInformation
- GetEligibleQuestions
- CreateUser
- ChangeUserAnswers
- AuthenticateUser
- ChangeUserStatus
- RetrieveUser

Identity Management

IdentityProofingService

- GetResult
- CreateSession
- CreateActivity
- Authenticate

Signature Device

SecondFactorAuthenticationService

- AnswerQuestion
- Authenticate
- AuditEvent
- GetQuestion
- AuthenticateUser
- CreateActivity

Signature Ceremony Copy of Record

SignatureService

- CreateActivity
- AuditEvent
- Authenticate
- ValidateCor
- Sign

SignatureAndCorService

- RepudiateCor
- SignAndStoreCor
- SetCorRetentionStatus
- CreateActivity
- StoreCor
- AuditEvent
- ValidateCor
- Authenticate
- DownloadCor
- SearchForCor

2 Options

- Provide Pre-established web services and guides
- Standard support models
- Pre-Populated Forms
- Standardize Enforcement
- Reduce Application Review: 75, 180, 360 Days
- Provide IT ~ Regulation Crosswalk Support

State Pilot Getting Started:

- **IPT Meetings**
- **Identify Shared CROMERR Components**
- **CROMERR Toolkit**



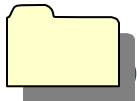
Access Authority



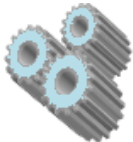
Baseline CROMERR Checklist & Attachments



Contractual and Project Planning Package



Development Toolkit



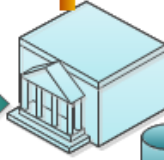
Example Shared CROMERR Demo Application



DEMO



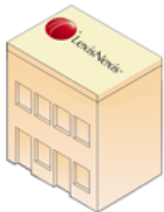
Demo CROMERR Website



Demo Agency



CROMERR Services	
User Mgmt	Identity
Password	GetResult
Authenticate	CreateSession
UpdateUserInfo	CreateActivity
GetEligibleQuestions	Authenticate
CreateUser	
ChangeAnswers	
AuthenticateUser	
ChangeUserStatus	
RetrieveUser	
Signing Device	Signature CoR
AnswerQuestion	CreateActivity
Authenticate	AuditEvent
AuditEvent	Authenticate
GetQuestions	ValidateCoR
AuthenticateUser	Sign
CreateActivity	***
	ReputateCoR
	SignAndStoreCoR
	GetCoRRetentionStatus



Service Infrastructure



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