

Clinical Research Informatics Policy

Number:	Title: Clinical Research Informatics Project Management Lifecycle (PMLC)				
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Supersedes Version	Supersedes Version dated: N/A REQUIRED APPROVALS BELOW				
PDG-CISIL Approval Date: May 17,2022 San Docusigned by: 7/26/2022					/2022
CRI Technical Direct	or Approval:	FB861D8144044BM	Little Formers	Date: 8/9/	
CRI Scientific Directo	or Approval:	CE162	26E6FE3443	Date:	

1.0 Purpose

This policy is to ensure that projects undertaken by CRI further our mission of supporting knowledge generation toward improvement in human health through provision of data, information systems, and related services to clinical investigators and research teams. As such, this policy specifies the Project Management Lifecycle (PMLC) through which CRI projects are initiated, planned, executed, managed, and closed. The PMLC ensures that the scope of work for projects is clear, that projects are feasible, that adequate resources are available, and that projects are consistently delivered within the planned cost, quality expectations, and timeline.

Accomplishing this mission requires ensuring the following manifesto:

(1) Data are handled in a manner compliant with applicable laws, regulations, and other requirements including research contracts and that privacy and confidentiality are maintained,

- (2) Data are available when needed for use in human subject protection and institutional oversight,
- (3) Data are capable of supporting study conclusions and other intended decision-making,
- (4) Data are documented sufficiently to support reuse, research reproducibility, and replication, and
- (5) Software and other computer programs developed or offered by CRI function as intended.

2.0 Scope

This policy applies to all projects undertaken by CRI. CRI projects to build and maintain infrastructure such as information systems that are configured to support multiple clinical studies and the clinical data warehouse. CRI projects design and develop custom computer programs from complex software applications and simple scripts to support UTHSA studies and other clinical projects. CRI also provides data management services for UTHSA studies and other clinical projects. The PMLC applies equally to this varied eco-system of projects.

This policy covers all project phases: pre-award, post-award and close-out, and emphasizes management within each phase and orderly transition between phases.

3.0 Responsibility

3.1 The CRI Directors will:

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	3.1.1	Assure that this policy remains in alig procedures.	nment with	UT System ar	nd UTHSA pol	icies and
	3.1.2	Develop and maintain procedures ne	cessary to im	plement this	policy	
	3.1.3	Assure that projects are feasible and	resourced ap	opropriately.		
	3.1.4	Ensure appropriate oversight for CRI	work.			
	3.1.5	Serve as the escalation path after the project.	Informatics	Project Mana	ager in charge	e of the
3.2		uals performing CRI tasks will follow th irector when doing so is not possible o	• •		•	s and not
3.3	•	licy establishes the roles of the Pre Aw er (IPM), and the Senior Operations M	•		Informatics P	roject
	3.3.1 3.3.2	The PAM assures all sponsor guidelin requirements are met. This includes project Statement of Work (SOW), an The IPM serves as a member of the re solve project challenges, acts as the I as coordinates the day-to-day project Research Informatics Specialist (CRIS	budget prep nd any additio esearch team iaison betwe t work. This	aration, instit onal CRI need to mitigate en the resear role is norma	tutional appro ds prior projeo risk, facilitate rch team and	ovals, the ct start. s actions CRI, as we
	3.3.3	The SOM monitors project progress a the IPM and CRI Management to assi designated priorities, and coordinate respect to weekly CRI priorities, sche with Informatics Project Manager and arise from outside the project.	gn or reposit s with the IP dules work a	ion CRI resou M and Techn nd shifts assi	urces necessa ical Leads and gnments in co	ry to mee d with ollaboratio
	Table 1	: Task Ownership Matrix (TOM)				
		CRI Project Management Roles → pject Management Tasks	Pre-Award Manager	Senior Operations Manager	Informatics Project Manager	CRI Directors
		and decline project opportunities				R, A
		s CRI contact for project proposal teams ne project SOW, budget and justification	R R	Р		Α
	Serve a	s CRI contact for data queries such as		r	R	~

R

R

R

R

R

Ρ

Ρ

R

А

А

Draft SOW and Data Extraction Form (DEF) for

Draft sub-contract packet materials such as

sub-contract SOW and budget guidelines Draft Letters of Support (LOS) and Consultant

Maintain CRI stock grant package text

Hold pre-post award transition meetings

Pre-to-Post-award transition packet

data queries

letters

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Set up project in the Project Management System (PMS) and Time Tracking System (TTS)	Р	R		
Manage execution of project agreements	R			А
Hold CRI kick-off meeting	Р	R	Р	Р
Coordinate CRI work w/ external team			R	
Manage project risk and scope			R	
Direct and coordinate internal CRI work for project			R	
Ensure quality of CRI work			R	
Track and report project budget		R	Р	
Manage CRI Effort allocation		R		А
Create, send and track invoices		R	А	
Schedule CRI work across projects		R		А
Identifies need for amendments to project scope, budget and agreements		Р	R	А
Pursue amendments to project scope, budget and agreements	R	Р	Р	А
Hold Close-out meeting			R	

R: Responsible, P: Participates, A: Approves

4.0 References

A guide to the Project Management Body of Knowledge (PMBOK), 6th edition. 2017. Project Management Institute.

5.0 Acronyms and Definitions

Term	Definition
CRI	Clinical Research Informatics
CRIS	Clinical Research Informatics Specialist
DMP	Data Management Plan; comprehensive documentation of data and its handling from definition, collection and processing to final archival or disposal. (ICH E6(R2), March 2018)
Closing Process	Also called project close-out; "consists of those processes performed to finalize
Group	all activities across all Process Groups to formally close the project or phase." (PMBOK 6 th ed. 2017)
Communication Management	With respect to a project and as a component of project management, "includes the processes that are required to ensure timely and appropriate planning, collection, creation, distribution, storage, retrieval, management, control, monitoring, and ultimate disposition of project information." (PMBOK 6 th ed. 2017)
Cost Management	With respect to a project and as a component of project management, "includes the processes involved in planning, estimating, budgeting, financing, managing, and controlling costs so that the project can be completed within the approved budget." (PMBOK 6 th ed. 2017)

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Executing	"consists of those processes performed to complete the work defined i	in the		
Process Group	project management plan to satisfy the project specifications." (PMBOK 6 2017)	th ed.		
Human resource Management	the processes that organize, manage, and lead the project team. The proj	With respect to a project and as a component of project management, "includes the processes that organize, manage, and lead the project team. The project team is comprised of the people with assigned roles and responsibilities for completing		
Initiating Process Group	"those processes performed to define a new project or a new phase of existing project by obtaining authorization to start the project or phase." 6 th ed. 2017)			
Monitoring and Controlling Process Group	"consists of those processes required to track, review, and regulate the progress and performance of the project; identify any areas in which char the plan are required; and initiate the corresponding changes." (PMBOK 6 2017)	nges to		
Planning Process Group	"those processes required to establish the scope of the project, refine t objectives, and define the course of action required to attain the objective the project was undertaken to achieve." (PMBOK 6 th ed. 2017)	es that		
Procurement Management	With respect to a project and as a component of project management, "includes the processes necessary to purchase or acquire products, services, or results needed from outside the project team. The organization can be either the buyer or seller of the products, services, or results of a project." (PMBOK 6 th ed. 2017)			
PMS	Project Management System			
Quality Management	With respect to a project and as a component of project management, the processes and activities of the performing organization that determin policies, objectives, and responsibilities so that the project will satisfy the for which it was undertaken." (PMBOK 6 th ed. 2017)	e quality		
QMS	Quality Management System; a formal system that documents the structup rocesses, roles, responsibilities and procedures required to achieve effect quality management (ASQ Glossary)	-		
Risk Management	With respect to a project and as a component of project management, the processes of conducting risk management planning, identification, an response planning, and controlling risk on a project. The objectives of pro management are to increase the probability and impact of positive events decrease the probability and impact of negative events in the project." (P ed. 2017)	alysis, ject risk s and		
Significant Risk	A risk that if realized would prevent a project milestone or deliverable from successful completion within the planned cost, quality expectations, or timeline.			
Scope Management	With respect to a project and as a component of project management, "includes the processes required to ensure that the project includes all the work required, and only the work required, to complete the project successfully." (PMBOK 6 th ed. 2017)			
SOW	Scope of Work; generally, the products or services that will be provided b organization.	y an		
Stakeholder Management	With respect to a project and as a component of project management, the processes required to identify the people, groups, or organizations the or be impacted by the project, to analyze stakeholder expectations and th	at impact		

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	impact on the project, and to develop appropriate managem effectively engaging stakeholders in project decisions and ex	•	
SOP	Standard Operating Procedure; text that communicates an organization's		

	requirements for a process including what will be done (process tasks), when
	(their sequence and timing), and by whom (the institutional roles responsible for
	performing and overseeing the tasks). In regulated industries, SOPs also commonly
	specify the documentation generated by a process (process documentation), and
	how the quality of a process will be controlled.
Substantive	Changes to tasks, their sequence, timing, documentation or the roles designated
Changes	as responsible for tasks.
Time	With respect to a project and as a component of project management, "includes
Management	the processes required to manage the timely completion of the project." (PMBOK
	6 th ed. 2017)
TTS	Time Tracking System
Unexpected	Any deviation from the fitness for use of data or computer programming that (1)
Quality Problem	were not anticipated, i.e., for which detection and control mechanisms were not
	planned or do not exist, or that (2) occur with a greater severity or frequency than
	anticipated in such plans.
UTHSA	University of Texas Health Science Center San Antonio
Work	WIs; Detailed step by step directions for accomplishing process tasks.
Instructions	

6.0 Policy

6.1 Pre-award

- 6.1.1 A CRI Pre-Award Manager will be assigned to each project and with input from the CRI Senior Operations Manager will use CRI templates to draft project proposal parameters and materials, including but not limited to project scope and budgets. For large proposals, the CRI Informatics Project Manager may draft text portions of the proposal and the budget justification. Where needed, a CRI Director may draft proposal components.
- 6.1.2 All projects undertaken or considered by CRI will be entered into the CRI Project Tracking System with all necessary descriptive data and supporting documents (e.g., SOW, budgets, subcontracts, etc.) uploaded.

7.0 Transition to Post-award

- 7.1.1 Transition to Post-award is initiated by a notice of award or other written acceptance of a proposal (the items listed in 6.1.2).
- 7.1.2 As the project transitions from pre-award to post-award, the Senior Operations Manager will assure all necessary information and documentation are entered or uploaded into the Project Management System (PMS). Additionally, the CRI Task Tracking System (TTS) will be loaded with an initial set of projects tasks based on the project type. Reoccurring projects begin with standard set of tasks and custom projects have the initial task list defined by the Informatics Project Manager or Technical Team Leaders.
- 7.1.3 Transition meetings are held regularly during the transition period.

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	7.1.4	Transitic 7.1.4.1	on to post-award is complete when the following h Prime contract is executed or when the proposa		
		7.1.4.2	writing, Associated agreements such as Data Use Agreen		
		7.1.4.3	contracts are executed, The project and associated tasks are set-up in th	PMS and TTS	
		7.1.4.4	Team members have been oriented to the proje budget.		
	7.1.5		scretion of a CRI Director and, where allowed by t ent, project work may start during the transition p		
7.2	Post-a	ward			
	7.2.1	-	nanagement post-award is shared between the as r and the Sr. Operations Manager and will include I:		
		7.2.1.1	Review project work, provide feedback and ensuincluding that CRI policies and procedures are for		
		7.2.1.2	Progress on project deliverables is monitored an	nd tracked.	
		7.2.1.3	Assigned IPM is responsible for identifying proje out of scope work.	ect changes, new requests and	
		7.2.1.4	The Sr. Operations Manager generates and follo well as reviews and ensures accurate time tracki allocation.		
		7.2.1.5	Significant deviations to project SOWs require S the SOW, budget and associated agreements wh verbal Sponsor agreement has been received, th pursue amendments to project contractual agre	nich the PM will pursue. Once ne Pre-award Manager will	
7.3	Close-	out			
	7.3.1	Projects	requiring a Data Management Plan (DMP) will uti	lize a database lock check-list	
	7.3.2		rmatics Project Manager or Technical Lead will co	ordinate final deliverables,	
	7.3.3	their acceptance, staff transition and archival. The project contract or SOW will specify the CRI archival of project deliverables, interpretent of the second se			
		work pro	oducts, associated documentation, or any additior t from or beyond institutional information retention	nal requirements where	
	7.3.4		or Operations Manager will process all final invoid		
	7.3.5	postmor QMS im	ects with a SOW exceeding 20% of the final estim tem to evaluate CRI performance on project tasks provement. Note: projects with significant quality d through the Deviation or Incident Report and Co	and glean opportunities for problems will have been	

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7.3.6 The Informatics Project Manager will confirm close out and prepare a planned versus actual report.

8.0 SOP Deviations

Planned and non-planned deviations to this policy are handled as described in the CRI QMS Policy (CRI.POL-001).

9.0 Review & Revisions

This policy is reviewed as described in the CRI QMS Policy (CRI.POL-001).

10.0 Attachments

Attachment: PMLC Workflow Diagram

11.0 Revision History

Version No.	Revision Date	Description of Revision
0.0	07/09/2020	This is a draft procedure for trial use.
1.0	05/17/2022	This is the approved policy for dissemination
2.0	06/01/2022	Effective date changed

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Attachment 1: PMLC Workflow Diagram

