

	KUSILE POWER STATION Integrated Risk Management Bow Tie Form	Document Identifier	240-164598401
		Effective Date	01 July 2023
		Review Date	31 July 2026
		Rev	2





Risk Assessment

2. Causes (of the risk) 1 Configuration Management requirements not well defined. 2 Lack of integration between counterparts (CM Eskom Projects and CM Eskom Gx). 3 Insufficient Design Base information or data. 4 Ineffective Manage Items Configuration (Plant Breakdown Structure)	1. Risk Incomplete Configuration and Handover Information by CM Eskom Projects leading to inefficient plant operation and control changes activities.	3. Consequences (of the risk, not of the causes) 1 Poor plant identification, configuration reliability and inefficiency 2 Inability to Manage Items Configuration (Plant Items identification) 3 Inability to implement control changes fully and design base control 4 Incomplete KKS database system for SAP updates (SAP PM database)
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4. Existing Controls for the Causes (affecting the likelihood of the risk)	Control Effectiveness	Control Owner
1 Implementation of the station Configuration Management Plan, define roles and responsibilities - Plan 240-110710597	Partially Effective	Design and Spec
2 Provide overview of Handover matrix (PBS and SAP update and verification)	Partially Effective	Design and Spec
3 Handover and Design Base alignment (SAP and SPO overview)	Partially Effective	Design and Spec
4 Manage Plant Breakdown Structure (PBS Verification via MSMW Project)	Partially Effective	Design and Spec


5. Existing Controls for the Consequences	Control Effectiveness	Control Owner
1 Alignment Session with CM counterpart (handover and Configuration sessions)	Partially Effective	Design and Spec
2 Proactively involved on system Plant Breakdown Structure (System KKS verification)	Partially Effective	Design and Spec
3 Enforcing database cleanup and reporting	Partially Effective	Design and Spec
4 Design Base Baseline on Unit 4 (EPRI data)	Partially Effective	Design and Spec





Risk Control Effectiveness	Consequence Factor	Likelihood Factor	Risk Rating	Potential Exposure	Risk Owner
Partially Effective	4	C	II	Business Unit Impact	Chuma Xayimpi
Consequence factor reasoning:		Likelihood factor reasoning:			


Tasks to improve control effectiveness (all controls not Fully Effective)	Task Owner	Task Owner Acceptance (Signature)	Due Date	Tasks to improve control effectiveness (all controls not Fully Effective)	Task Owner	Task Owner Acceptance (Signature)
1 Establish Configuration Management Contract	Chuma Xayimpi		2025/04/01	1 None		
2 Conduct Configuration Review (Status Accounting on CM Service Contract)	Chuma Xayimpi		2026/03/31	2		
3 Manage Plant Breakdown Structure - PBS Project Plan	Chuma Xayimpi		2026/03/31	3		
4 Train all CM Gx resources on applicable standards and procedures	Chuma Xayimpi		2026/03/31	4		

New Treatment Tasks / Opportunities	Task Owner	Task Owner Acceptance (Signature)	Due Date	New Treatment Tasks / Opportunities	Task Owner	Task Owner Acceptance (Signature)
1 None				1 None		
2				2		
3				3		
4				4		
5				5		

DATE CAPTURED	2025-02-10
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COMPILED BY:	
NAME	Mpho Sekonyela
DESIGNATION	Senior Technician Configuration
DATE	2025/02/11
SIGNATURE	

PARTICIPANTS		
NAME	DESIGNATION	SIGNATURE
1 Mpho Sekonyela	Snr Technician CM	
2 Nonhlanhla Mtshali	Snr Technician LOPP	
3 Nokululeko Mabunda	Snr Technician ECM	
4 Chuma Xayimpi	D&S Manager (Acting)	

ACCEPTED BY:	
NAME	Chuma Xayimpi
DESIGNATION	Design and Spec Manager (Acting)
DATE	2025/02/11
SIGNATURE	

APPROVED BY:	
NAME	Grace Olukune
DESIGNATION	Engineering Manager
DATE	11.02.2025
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