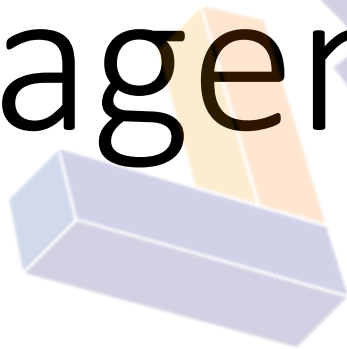


Chapter 01: Section 04

Digital-Related Developments in Management Accounting



Analytical Capability Transformation Through Digital Technologies



1. Analytical Capability Transformation Through Digital Technologies

- Integrate Enterprise Resource Planning (ERP) Systems
- Adopt Business Intelligence (BI) and Cloud Reporting Platforms
- Develop Digital Capabilities in Finance Teams
- Automate the Financial Close and Reporting Process



2. Integrated Digital Ecosystem

- Platform Integration Strategies: Integrate ERM, CRM, ESG platforms
- Data Connectivity Solutions
- System Interoperability Achievement
- Digital Ecosystem Governance

Emerging Technology Integration



1. ERP, AI and Blockchain Integration

- Modern ERP systems are cloud-based platforms with embedded analytics and intelligent automation, fundamentally different from traditional on-premise systems.
- Controls must be established to ensure AI outputs are reliable, ethical, and subject to appropriate human oversight.
 - Anomaly Detection: The identification of rare items, events, or observations which raise suspicions by differing significantly from the majority of the data
- Blockchain technology creates a distributed ledger where transactions cannot be altered once recorded.
 - Immutable audit trail: A permanent, unalterable record of all transactions or activities within a system

2. Accuracy and Timeliness Enhancement

- Accuracy Improvement Mechanisms
 - Automated validation rules within ERP system
 - AI-driven anomaly detection
 - three-way matching for purchase orders, goods receipts, and supplier invoices
- Timeliness Acceleration Strategies
 - Implement straight-through processing for routine transactions
 - Configure in-memory computing databases to analyse large datasets instantly.
- Information Quality Assurance: Data governance, Automate daily reconciliation, immutable audit trail
- Realtime Reporting Capabilities

3. Future Technology Readiness

- Emerging Technology Scanning
- Technology Evaluation Methodology
- Adoption Strategy Development
- Innovation Ecosystem Cultivation