

Behnaz Shahheidar

AM Consultant at PAMCo.

Physical Asset Data & Information Management

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Decisions in Asset Life Cycle

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Or Even Worse... (29%)



Information We Need Is Often Missing... (50%)



Data is Everything And Everything is Data

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what Asset Information means to **Organisation?**

**Organizational
Information**

**Asset
Information**

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**Asset Information
Categorized?**

Asset inventory	Maintenance planning	Capital planning	Financial	Objectives
Type, location, condition, install date, purchase cost etc.	PM schedule, job plans, crafts, competencies, etc.	Capital plans, long-range needs etc.	Budgets, cost centers, fixed asset register, FTA grant status, etc.	Stakeholder needs, organizational objectives, performance targets, asset demand etc.
Real-time	Operational	Maintenance	Supply chain	Contextual
Temperature, pressure, vibration, etc.	Failures, incidents, outages, track access, speed restrictions, etc.	Work orders, labor hours, inspection outcomes, etc.	Inventory, purchase orders, etc.	Heat, humidity, water, EMI, etc.

TRB 12th National Conference on Transportation Asset Management

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Stakeholders

- ✓ What Asset Management activities or decisions are you responsible for?
- ✓ What Asset Information do you need/ generate? from/ to whom?

Identify your Asset Information **Needs**

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Asset Information Strategy



Asset Information Standards



Asset Information Systems



Data & Information Management

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Strategy
Asset Information

- ✓ Asset Information Scope
- ✓ As-is state
- ✓ To-be state
- ✓ Roadmap

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Asset Information

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Standards Asset Information

- ✓ What information
- ✓ Format and structure (Standards can include documents, spreadsheets and information models)
- ✓ Quality requirement
- ✓ Useful standards for your industry

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Asset Information

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Asset Information
Systems

- ✓ Collect or acquire information and Maintain information
- ✓ Receive, use, transmit and transform information
- ✓ Manage change

Asset Information

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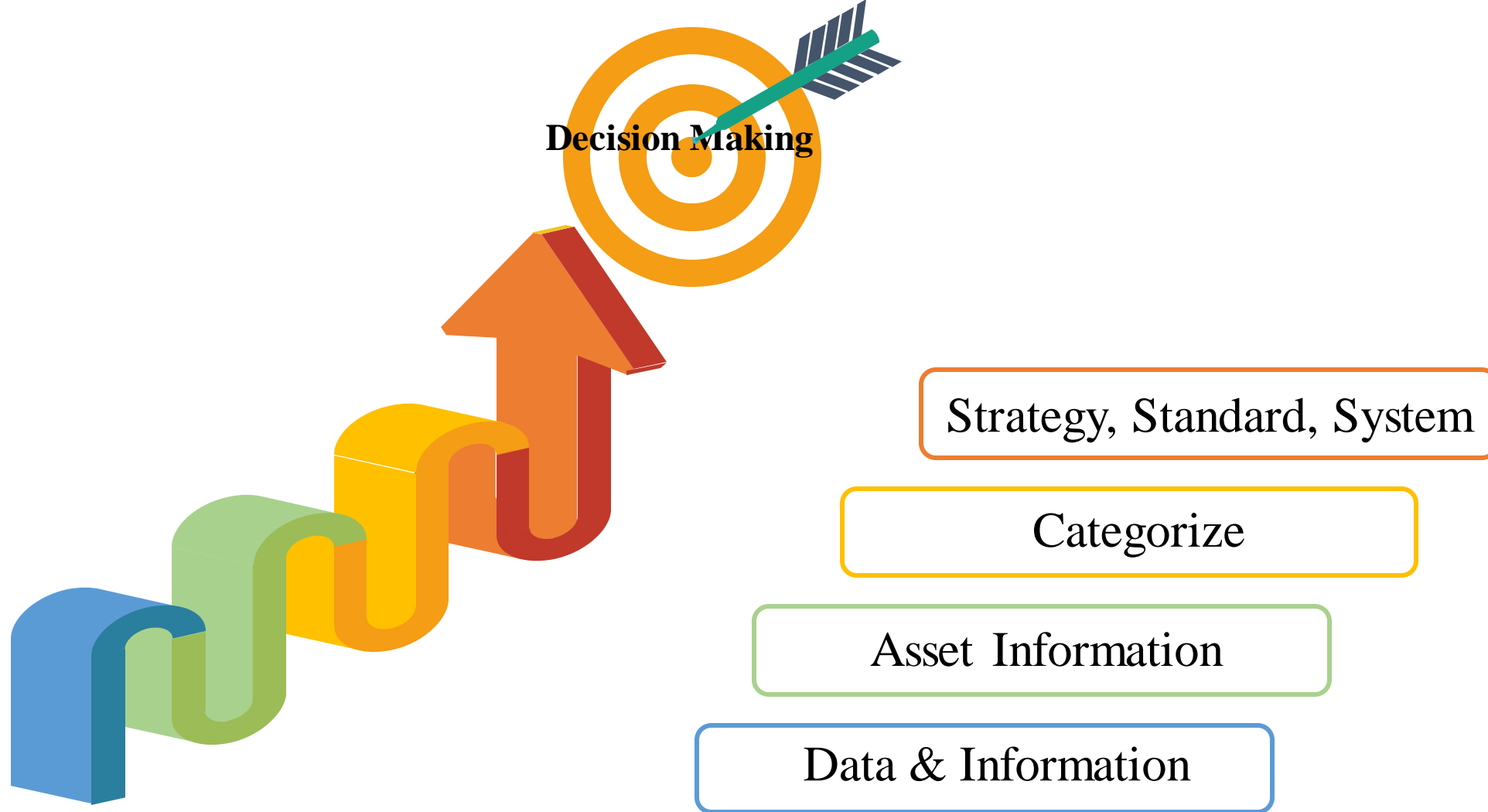
Management Data & Information

- ✓ Accuracy
- ✓ Clarity
- ✓ Completeness
- ✓ Consistency
- ✓ Correctness
- ✓ Integrity
- ✓ Uniqueness

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Asset Information

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با تشکر از توجه شما



Email: B.Shahheidar@gmail.com

Linkedin.: www.linkedin.com/in/behnaz-shahheidar

Telegram: [@BehnazShhr](https://t.me/@BehnazShhr)