



# ASQ CRE Prep course

Lesson I. B. 5.

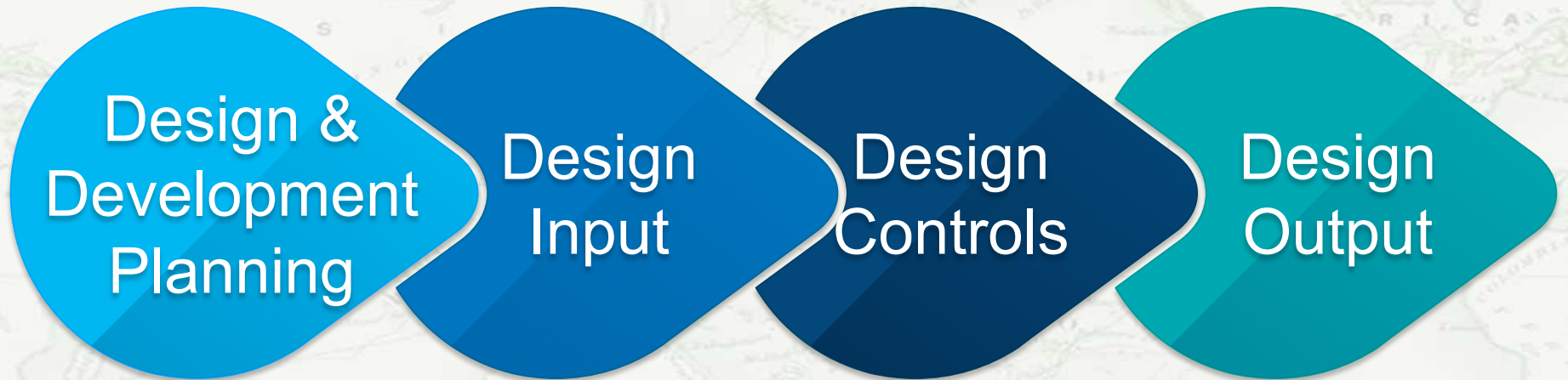
Design Evaluation

Does the design do what it should over time?

# DESIGN EVALUATION



# ISO 9001 Design Steps



# Design Tools

- **GD&T**
- **DfM / DfA**
- **Value Engineering**
- **DOE**
- **FMEA**
- **FEA**
- **Solid Modeling**
- **Simulation techniques**
- **CAD / CAE**
- **Reliability engineering plans**



# Requirement Management

- **Unambiguous**
- **Correct**
- **Verifiable**
- **Consistent**
- **Complete**



# Change Management

- **Submitting**
- **Evaluating**
- **Reviewing**
- **Scheduling**
- **Implementing**









# ASQ CRE Prep course

Lesson I. B. 6.

Systems Engineering and  
Integration