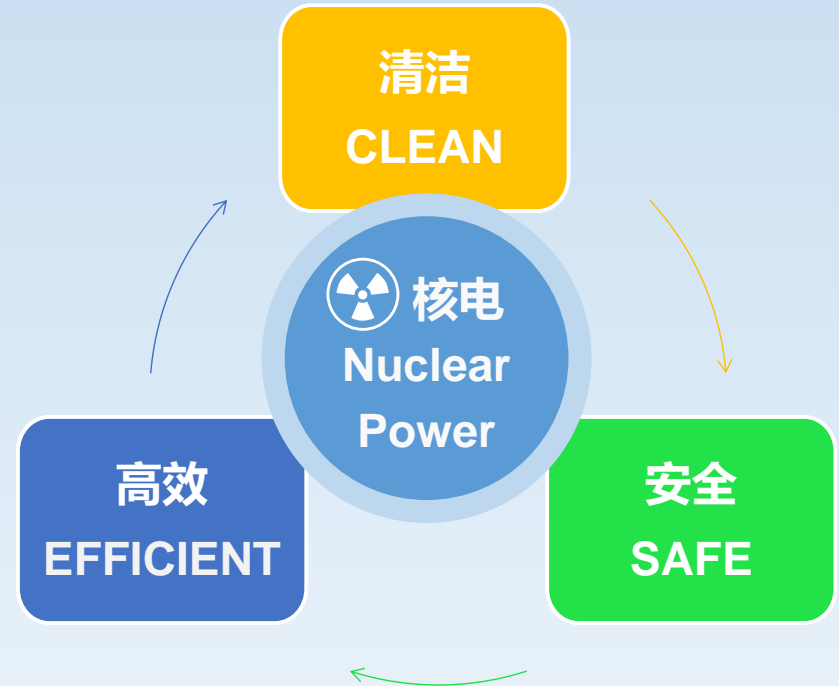


Introduction of China Nuclear Power Supply Chain

China Nuclear Energy Development Center of NEA
2019-03

1 Nuclear Power

- ☆ Nuclear power is a **high-tech strategic** industry
- ☆ Plays an important role in coping with climate change and accelerating the replacement of fossil fuels



2 Status of Nuclear Power Development



Operational Units

45 operational units, installed capacity of 45.90GW, rank **third** globally, **good** performance

Under Construction Units

11 units under construction, installed capacity of 12.18GW, rank **1st** globally, during which **11** units adopt the 3rd Gen and above technology

3 Introduction of Supply Chain



Supply Chain

10

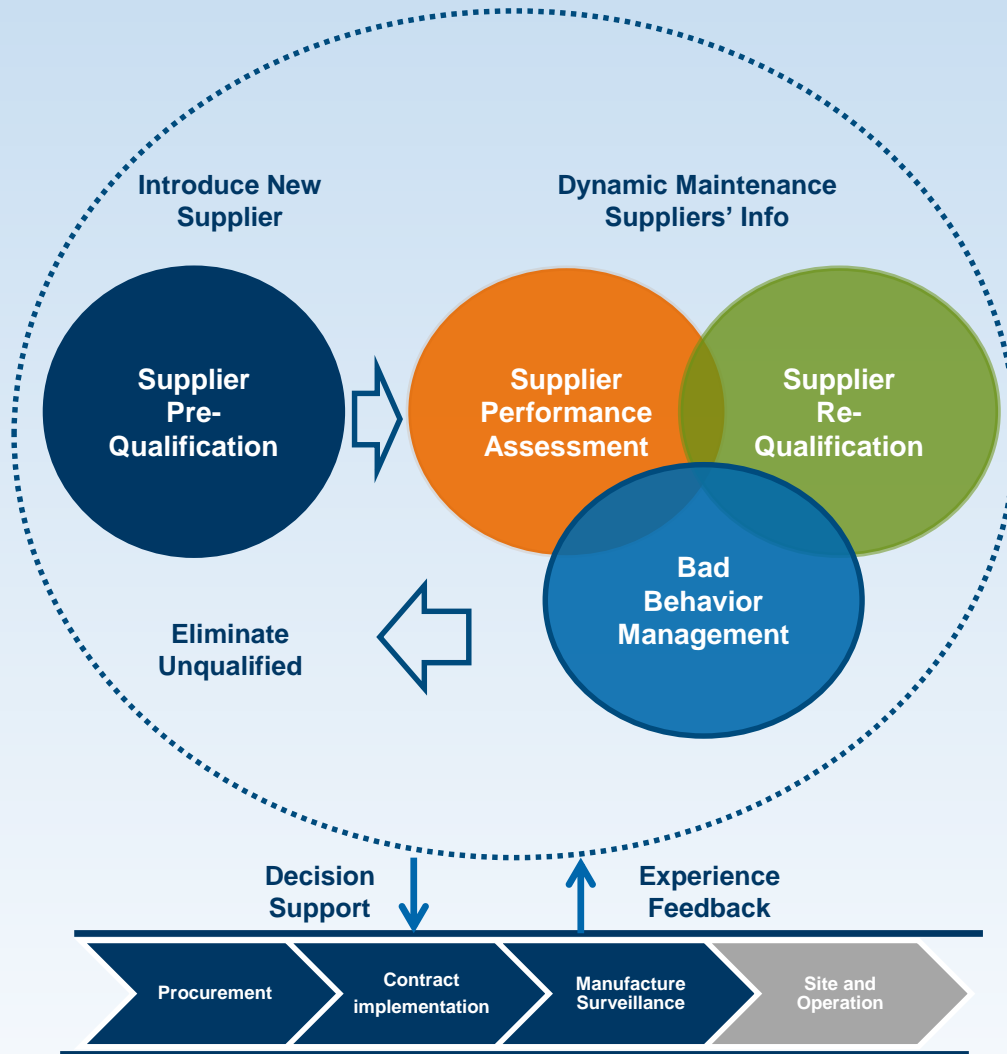
☆ Be capable of processing and manufacturing **10 sets** of nuclear equipment every year

30

☆ Be capable of continuously constructing more than **30 units** simultaneously

4 Management of Supply Chain

Overall Supplier Management



Work Guidelines

- [Supplier Management Policy]
- [Equipment Supplier Management Method]
- [Guide of Equipment Supplier Qualification]
- [Equipment Supplier Performance Assessment Method]

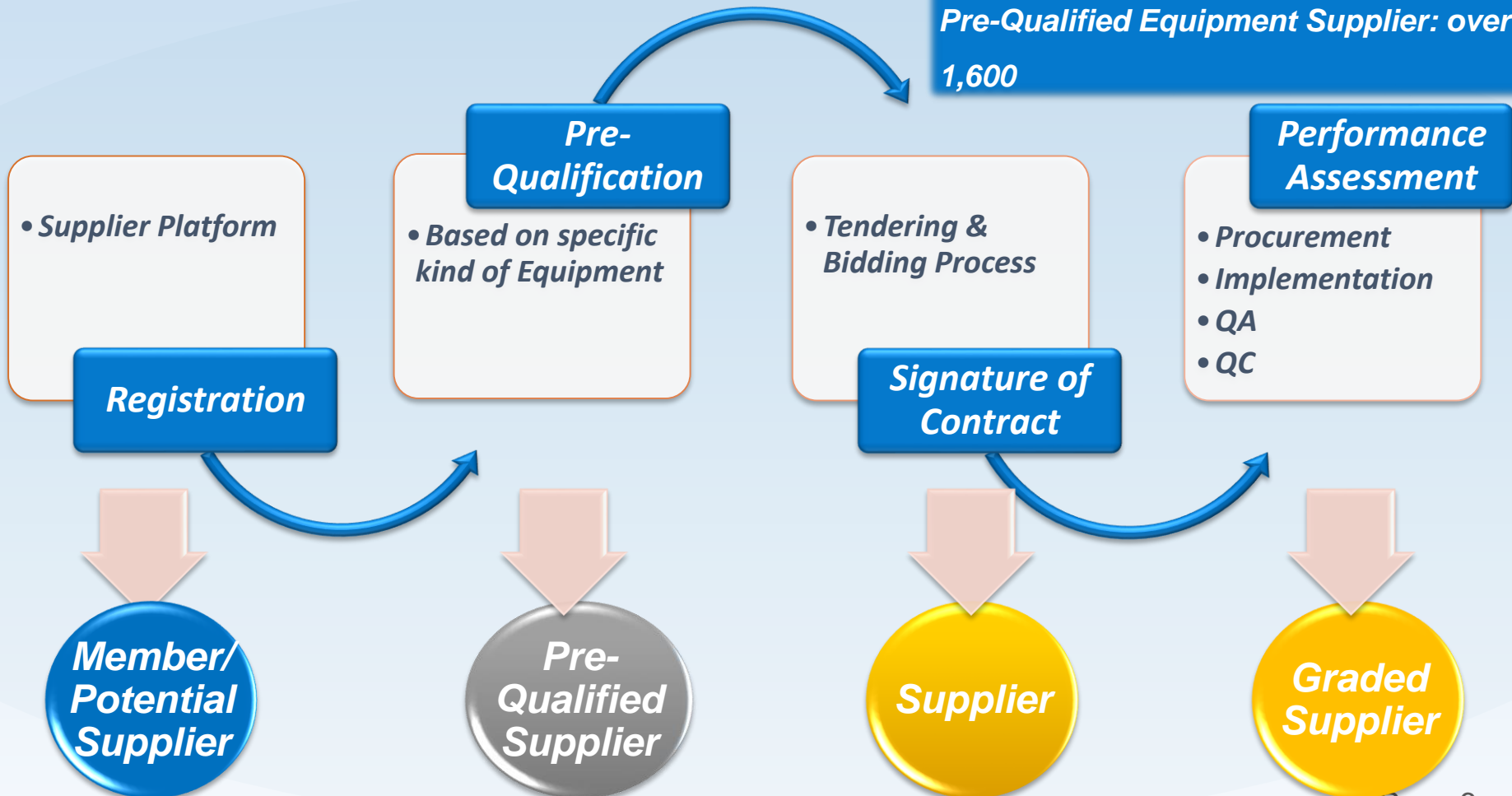
Responsibilities

- System, Process and Workflow Development
- Organize Supplier Qualification
- Organize Equipment Supplier Performance Assessment
- Coordinate Supplier Information Management
- Documentation Management

4 Management of Supply Chain

Supplier Management Workflow

Registered Suppliers: over 30,000
Pre-Qualified Suppliers: over 10,000
Pre-Qualified Equipment Supplier: over 1,600

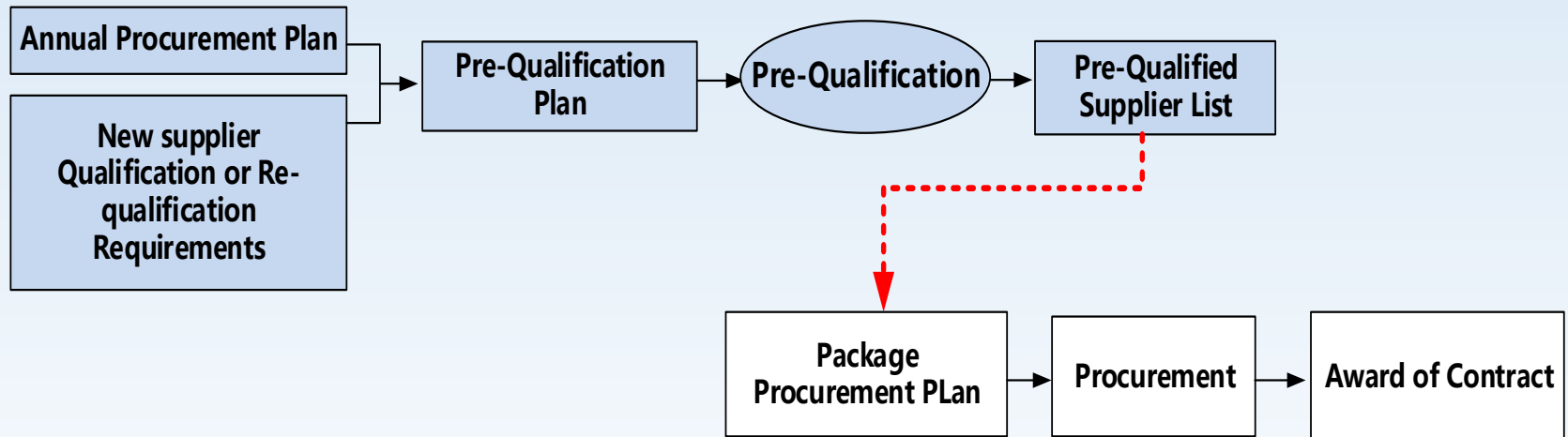


4 Management of Supply Chain

Supplier Pre-Qualification Workflow



- ❑ To justify whether a supplier could be involved or not in further bidding activities.
- ❑ Covering commercial, technical abilities, and quality management evaluation.
- ❑ A supplier passed pre-qualification for certain supply scope will be considered as Qualified Supplier, and eligible to access bidding activities within qualified scope.
- ❑ The qualification result will be valid within certain period if no actual change of the supplier's situation happened.

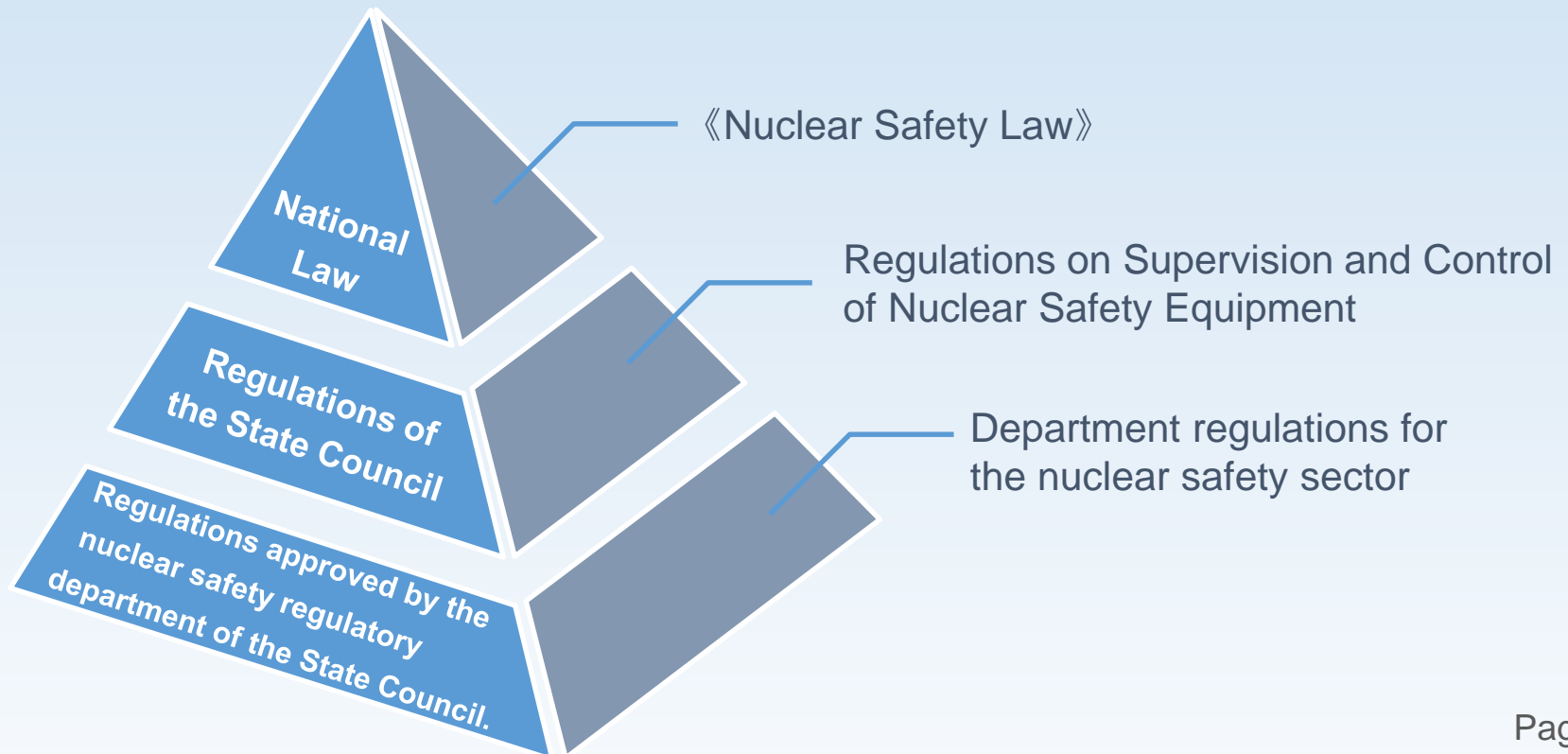


4 Management of Supply Chain

Quality Assurance

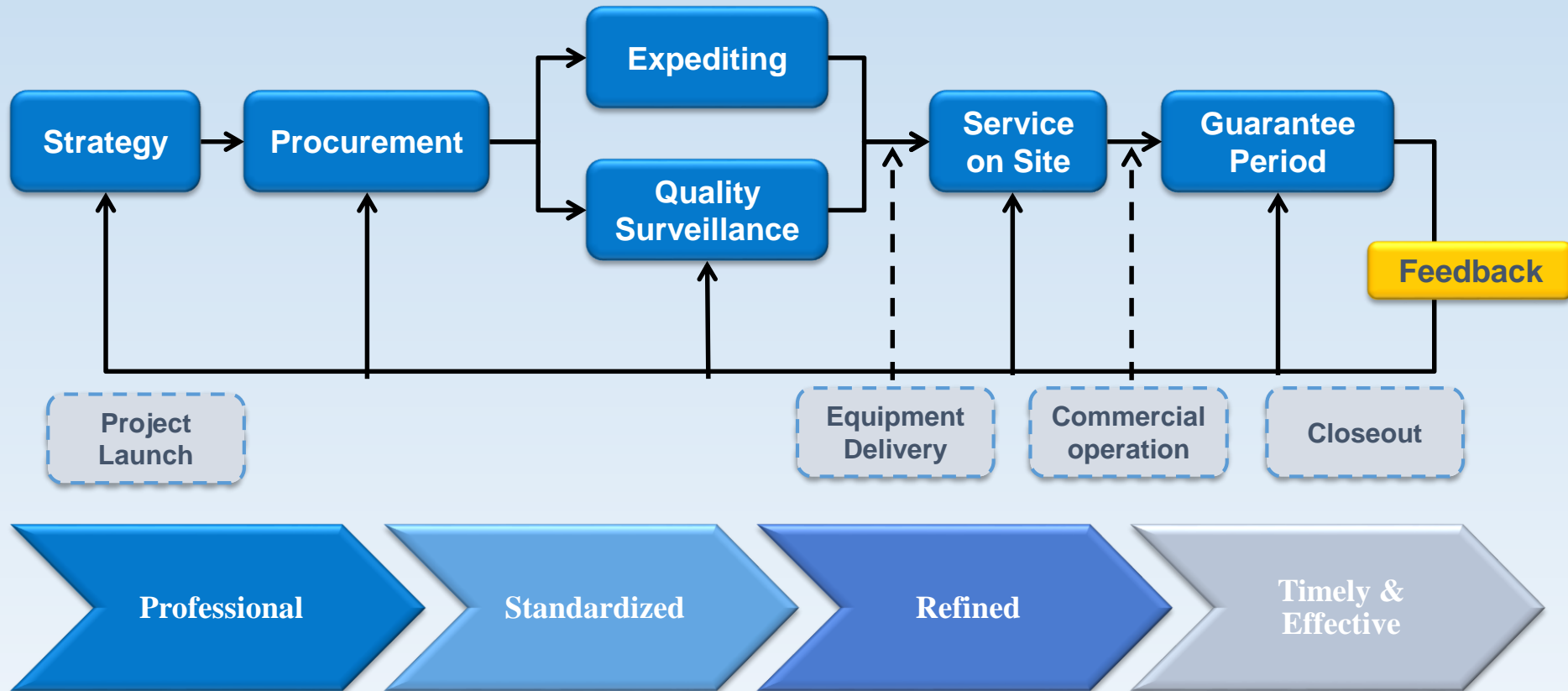
Quality Management System is composed by comprehensive and effective procedures, and all quality related activities shall be performed in accordance with the procedures.

Laws and Regulations System for Nuclear Safety:



4 Management of Supply Chain

Standardized NPP Equipment Procurement Workflow



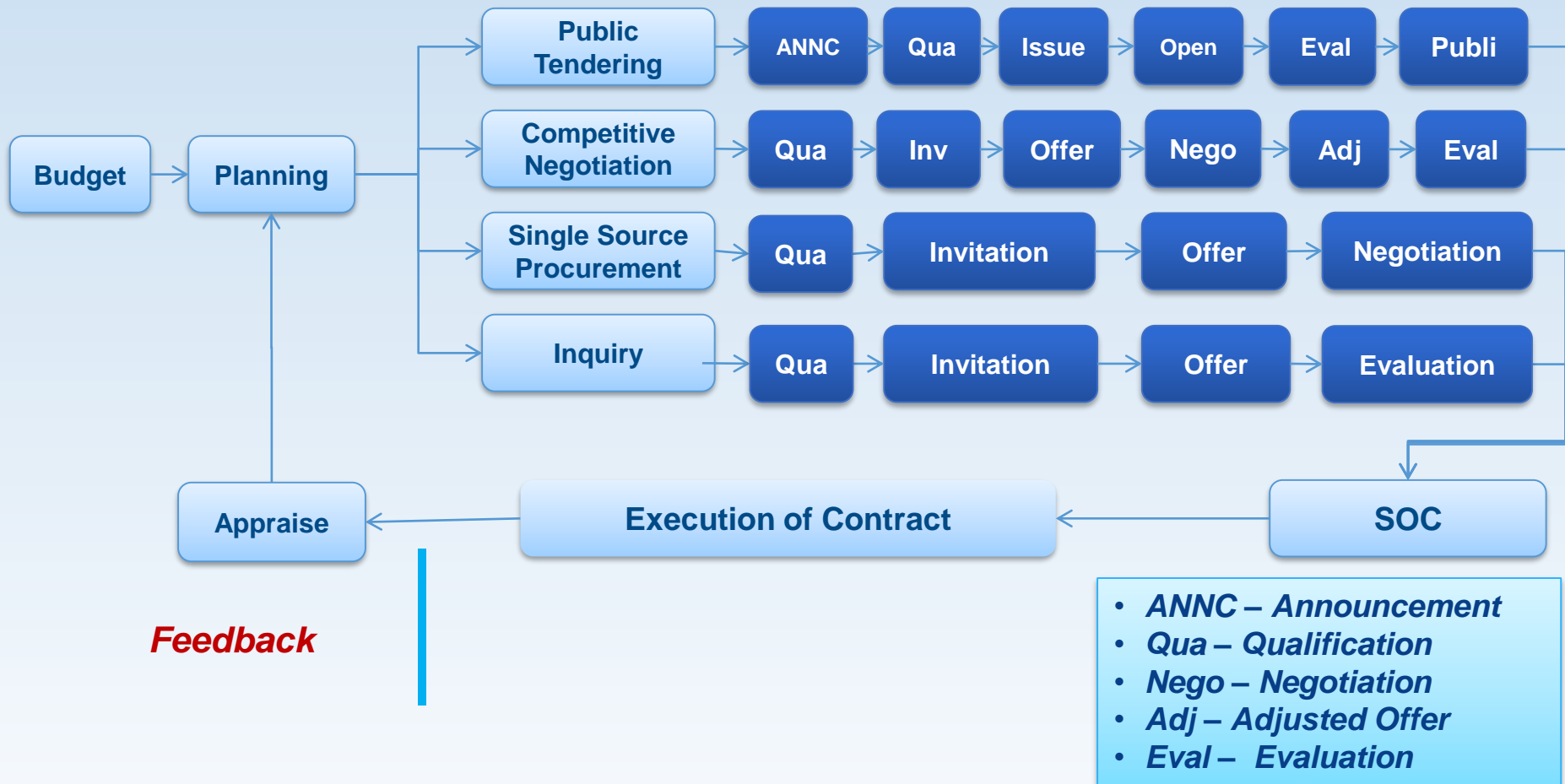
Professional, Standardized, Refined, Timely & Effective.

4 Management of Supply Chain

Close-loop Equipment Package Procurement Workflow

Preparation Phase

Implementation Phase



Thank You!