

Sequence Activities Tables for Mar Organica's Project - Importing Natural Coral from the Solomon Islands

1. Input Table:

Input	Description
Project Schedule	Serves as the foundational input, providing a detailed framework for the sequencing of activities.
Activity List	Enumerates all identified activities from the Define Activities process, forming the sequencing basis.
Activity Attributes	Provides additional details for each activity, including dependencies, leads/lags, and resource requirements.
Project Scope Statement	Offers insights into the project's objectives, constraints, and acceptance criteria for alignment.
Resource Calendars	Outlines the availability and constraints of resources, influencing the sequencing of activities.
Constraints	Identifies any limitations or restrictions that may impact the sequence of activities.
Leads and Lags	Specifies the lead and lag times between activities, influencing their temporal relationships.

2. Tools and Techniques Table:

Tools and Techniques	Description
Precedence Diagramming Method (PDM)	Utilizes dependency relationships to create a visual representation of activity sequencing.
Dependency Determination	Establishes the relationships between activities, distinguishing between mandatory and discretionary dependencies.
Leads and Lags Analysis	Analyzes and determines the appropriate lead and lag times between activities for optimal sequencing.
Schedule Network Templates	Utilizes predefined templates to streamline the process of sequencing activities across projects.
Dependency Types	Classifies dependencies into finish-to-start, start-to-start, finish-to-finish, and start-to-finish for precise sequencing.
Project Management Software	Leverages software tools for dynamic scheduling, allowing for real-time adjustments and visual representation of the sequence.

3. Output Table:

Output	Description
Project Schedule Network Diagram	Visual representation of the sequenced activities, highlighting their interdependencies and flow.
Project Documents Updates	Revises relevant project documents such as the activity list, activity attributes, and project schedule.

Requested Changes	May generate change requests if alterations to the activity sequence are required during the sequencing process.
Project Management Plan Updates	Incorporates changes in the sequencing approach, reflecting adjustments made during the process.
Lessons Learned Documentation	Captures insights from the sequencing process for future reference and continuous improvement.