

Decision:

- if resources are completely/partially sufficient
go to next stage;
- if resources are completely not available
5 reject and terminate;

Stage Two

Tentatively reserve resources;

Delegation Phase

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This phase will only come into play if agent A2 does not have the resource available, itself, to respond to agent A1.

Stage Three

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Determine the agent's position/role in the whole coordination context (head –owner of the current goal, or non-head – i.e. one to whom a sub-goal has been delegated) and distinguish the level of resource availability (partially/completely sufficient).

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- if resources are only partially sufficient
go to next stage ($S_2 - S_3$);
- if the resources are only partially sufficient, it is necessary to negotiate with other agents to find additional resource. Stages S_3 to S_9 bring in negotiation process steps which are not required if resources are completely sufficient. Hence, if resources are completely sufficient and the agent's role is "head"

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go to Stage Thirteen ($S_2 - S_{13}$);

- resources are completely sufficient but the agent's role is not "head",
go to Stage Ten ($S_2 - S_{10}$);

Stage Four

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Find the first set of tasks whose required resources cannot be met;

Remove the selected set ($S_3 - S_4$);

Stage Five

Create a new *proposal* using every task in the selected set ($S_4 - S_5$);

Stage Six