

DEFENCE

&

DÉFENSE





Cyber Advanced Analysis Lab

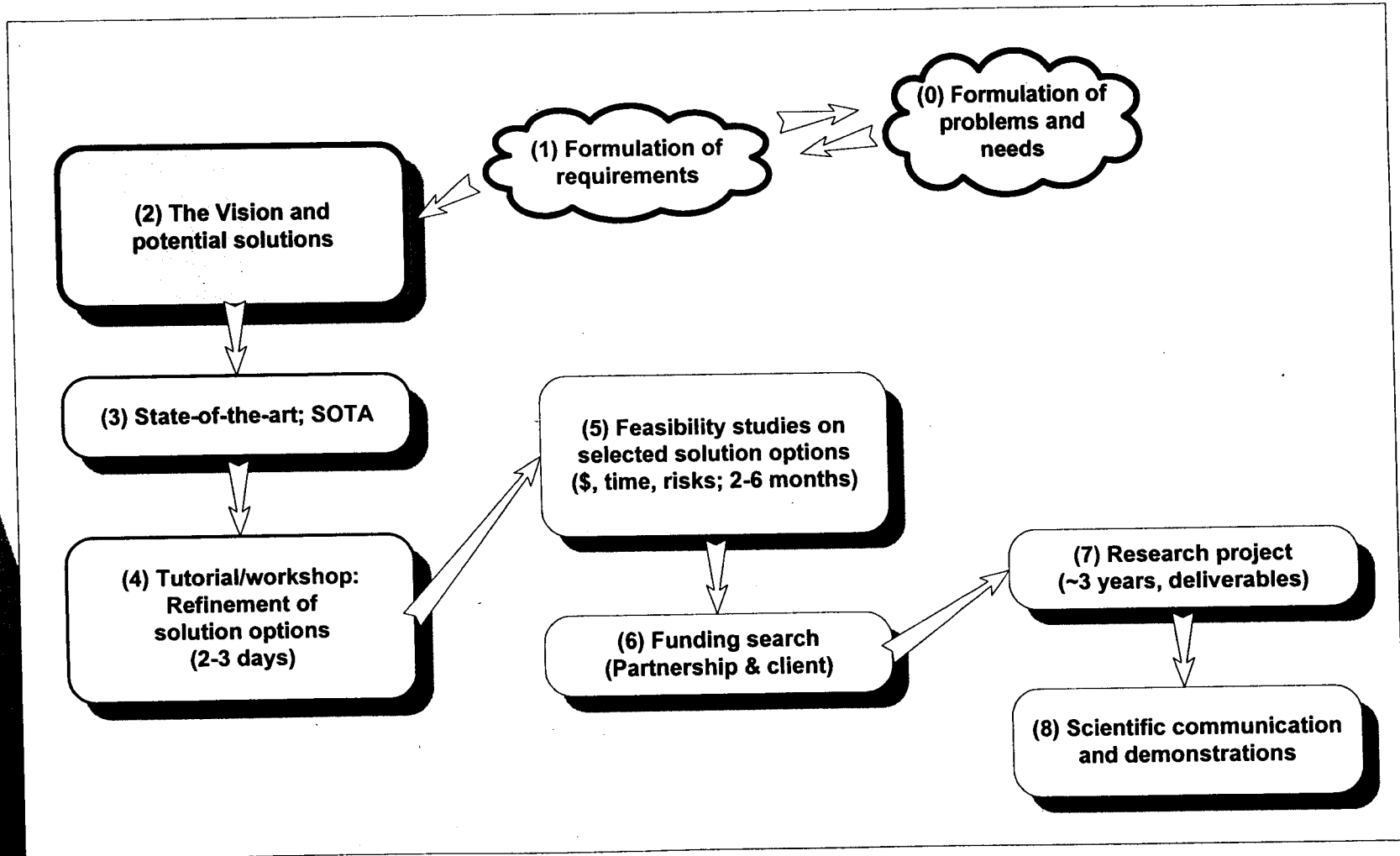
My mission:

- **Learn CFNOC org & ops**
- **Capture the vision**
- **Use proven methodology & framework**
- **Ease the transition from this phase of the methodology to the next one (up to the TDP or other projects)**



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Used methodology:





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Used framework: Zachman (modified for the CAAL)

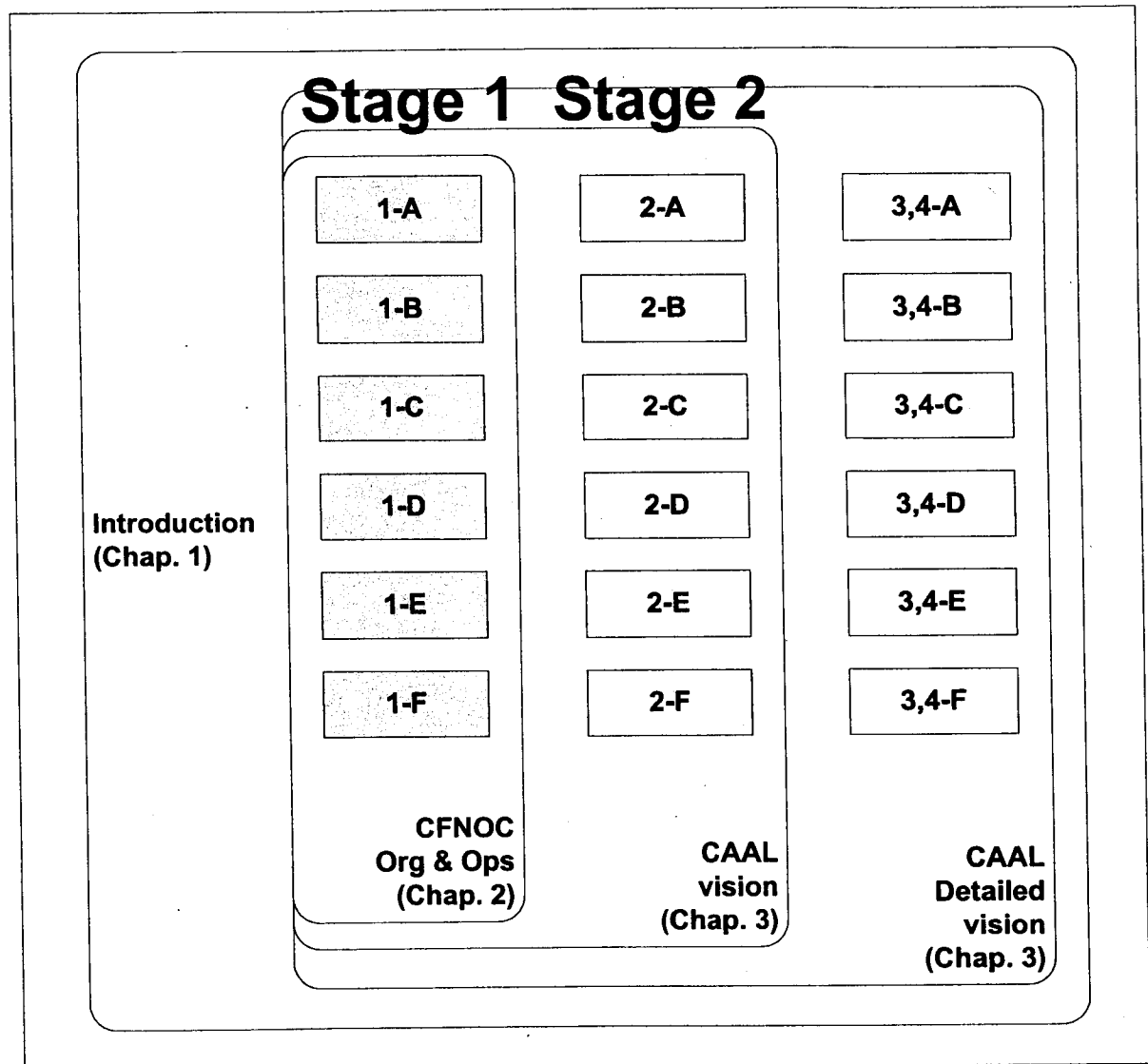
And the IEEE Std 1362-1998: "Concept of Operations (ConOps) Document"

		A	B	C	D	E	F
		The "What"	The "How"	The "Where" & "connectivity"	The "Who"	The "When"	The "Why"
1	Scope (Contextual) (Planner)	Important "objects" to CFNOC	"Processes" the CFNOC will perform	"Locations" in which the CFNOC will operate	"Living entities" important to CFNOC	"Events/cycles" significant to CFNOC	"Goals/mission" CFNOC
2	Business mdl (Conceptual) (Owner)	Conceptual or semantic model (CAAL)	Business process model (CAAL)	Business logistics (CAAL)	Work flow model (CAAL)	Master schedule (CAAL)	Business plan (CAAL)
3	System mdl (Logical) (Designer)	Logical model (CAAL)	Application architecture (CAAL)	Distributed system architecture (CAAL)	Human interface architecture	Processing structure (CAAL)	Business rule model (CAAL)
4	Technology mdl (Physical) (Builder)	Physical model (CAAL)	System design (CAAL)	Technology architecture (CAAL)	Presentation architecture (CAAL)	Control structure (CAAL)	Rule design (CAAL)
5	Detailed representations (Sub-contractors)	Objects definition (CAAL)	Program, process (CAAL)	Network architecture (CAAL)	Security architecture (CAAL)	Timing definition (CAAL)	Rule specification (CAAL)
6	Functioning XYZ Lab	Object	Function, capability, strategy	Network	Organization units	Schedule	ConOps, strategy



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- Deployment:
 - 2 stages
- Redaction:
 - 3 chapters

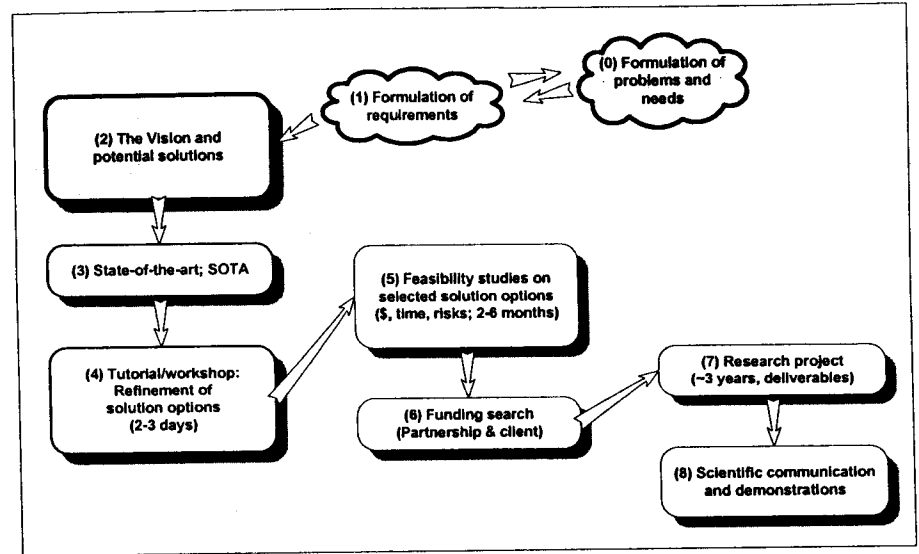
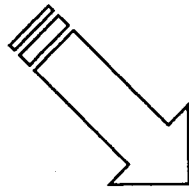




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Planning:

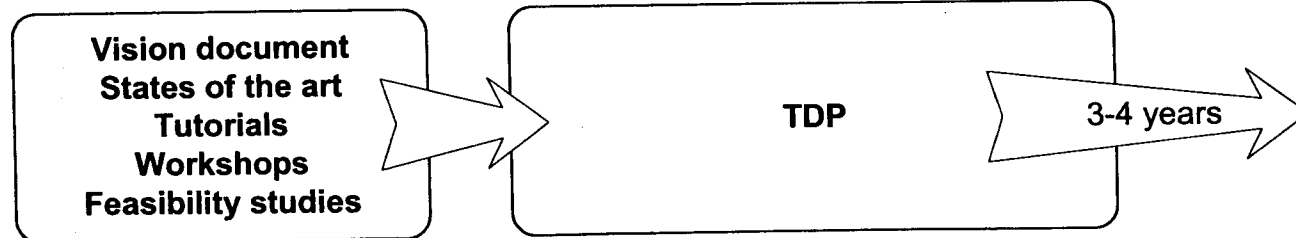
According to the used methodology:



2009

2010

2011





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The Five needed capabilities vs used methodology phases:

		Capability 1	Capability 2	Capability 3	Capability 4	Capability 5
Vision document						
States of the art	□ □ ↓	Done	Partly done	(RMC)	TBS	Partly done
Tutorials & workshops		Planned	Planned			
Feasibility studies		Many were done	Planned			
in TDP treads		DRDC Val	TBD NCFTA	TBD RMC	TBD, TBS, DRDC Val	TBD, EWA? DRDC Val