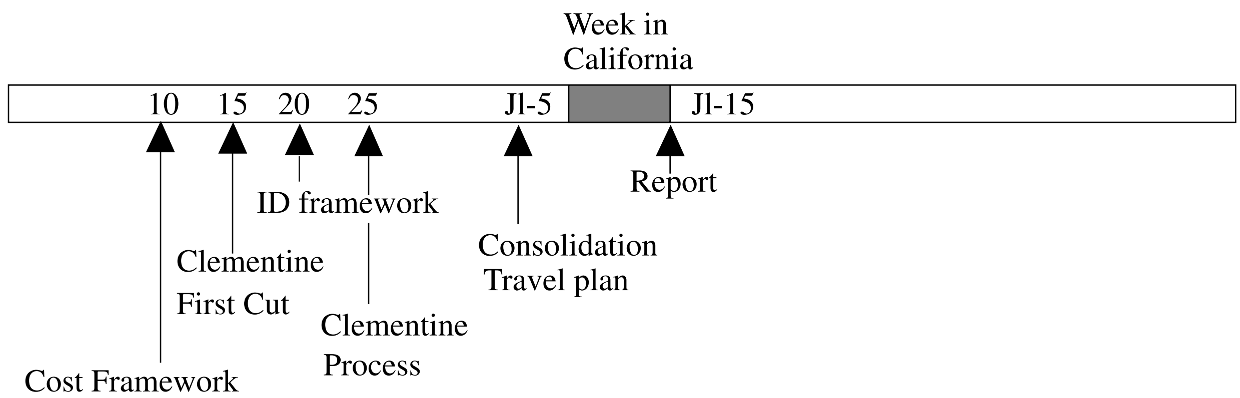
1 Six Week Plan - Computing, Electronics and Sensing



1.1 Understand Clementine

- Jun 15: Get a complete picture of the Clementine electronic hardware system
- Jun 25: The process used for development (both hardware and software).
- Analyze the system and components for mission suitability; establish realistic environmental constraints
- Analyze and adapt the process used

1.1.1 Action Items

- Lead by Nick
- Strong interaction with Lalit, and team

1.2 Road Map to Mission

- Identify the nominal resources available for electronics hardware
- Identify major use-cases and acceptable risk associated with them.
- Evolve and develop strategy using the Clementine baseline, considering the CMU - LunaCorp environment and time-frame

1.2.1 Action Items

- Interaction with Nick, Red, Dave Pahnos, experience and Nick's contacts

1.3 ID new/ missing electronic Hardware

- Get an industry picture of compression technology
- Get an industry picture of ASIC technology and possible uses vis a vis known interfaces
- Get an industry picture on DSP technology and possible uses vis a vis available algorithms
- Develop a strategy for minimizing cost, variety of components, and sub-contractor risk

1.3.1 Action Items

- Jun 20: Id type of components needed (& capability), sources and companies
- Start with vidicon to 3 people/ organizations
- Lalit spends a week in bay area, fortune hunting

1.4 Cost & Availability

- For each component/ sub-system identified, identify monetary cost, lead time, lead cost & per item cost, subcontract required, risk, mission qualification cost & risk, development (software) cost, and integration cost.
- The cost study underlies all other studies

1.4.1 Action Items

- Jun 10: Develop a framework for cost study - Lalit, Nick, Oz
- Use framework to extract cost info/estimates in all other phases