ECON ASICs

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ASICs PMG
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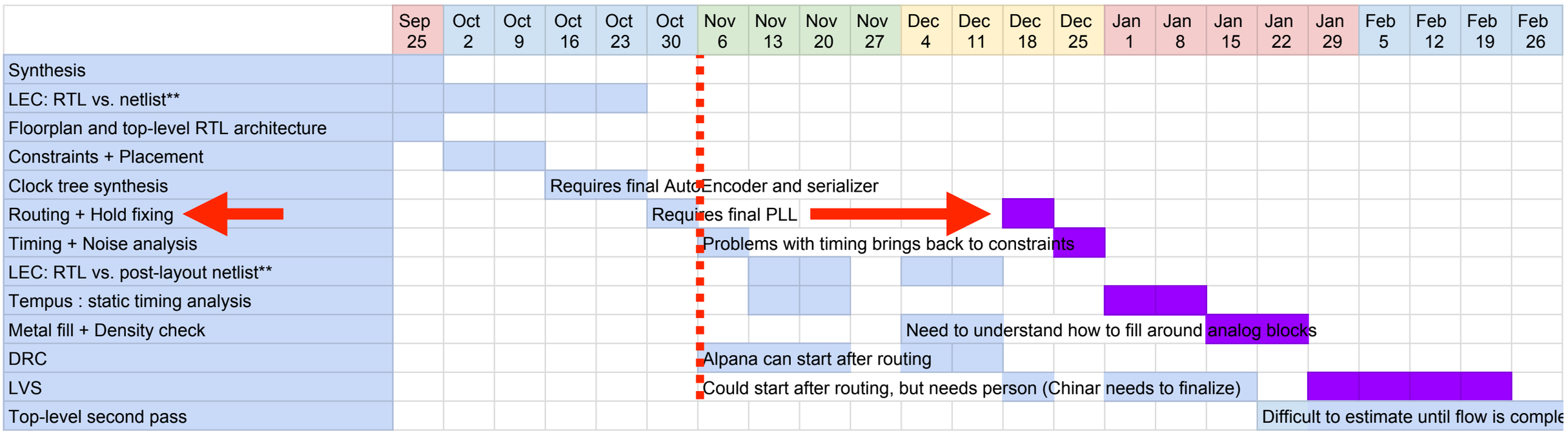
ECON week-by-week schedule



- Implementation team has worked through "Routing & Hold Fixing" step
  - Timing closure on 1.28 GHz paths was very slow to converge.
  - Iterative process to update verilog, timing constraints, and scripts is now ~complete.

- According to Sep 2020 schedule, we are 7 weeks behind schedule
  - "lost" 4 weeks in last 4 weeks
  - time reserved for top-level second pass reduced from 8 to 1 weeks.
  - Despite iterations Chinar has NOT been idle while awaiting changes: addressed a large number of small routing issues not included in the original Sep estimate.

- Lessons being learned:
  - Ramping up large teams and new hires is especially challenging with fully remote work during global pandemic.
  - Large teams benefit standardized system for exchanging IP and information - we have been developing for ECON team as we go.
  - Team would benefit from more automation of design flow: e.g. still relying on manual checking of logs, etc.

ECON FY21 Request

	Avg weekly	FY21	Oct	Sep	Dec	Jan 21	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Milestone							Sub T					Sub D	Rec T	
Braga	16.4	322	97	25	58	71	71							
Gingu	30.9	1556	150	107	93	134	134	134	134	134	134	134	134	134
Hoff	24.7	1334	138	148	83	107	107	107	107	107	107	107	107	107
Shenai	27.5	1145	128	99	83	119	119	119	119	119	119	119		
Syal	33.9	1433	175	126	105	147	147	147	147	147	147	147		
Wang	28.1	649	183	112	110	122	122							
Wickwire	38.8	1643	200	146	120	168	168	168	168	168	168	168		
Testing								84	84	84	84	84	84	84
Period Tot	**200**					**868**	**868**	**760**	**760**	**760**	**760**	**760**	**325**	**325**

- Presented to PPD Finance last week.