

Plans for sFGD box review

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SuperFGD mechanics meeting

9/11/20

Remaining tasks

- Remaining items before delivering the final design
 - ✦ Light barrier —> **Not in review** (present but no mechanics issues)
 - ✦ Assembly parts (screws) —> **Done**
 - ✦ Brackets —> Check FEA but mostly
 - ✦ Update readout interface (tolerances, hole diameter, alignment pin holes, etc.) —> not completed
 - ✦ CF/G10 internal conical hole (3.5->3mm) —> define where, diameter (which plates, diameter, minimum requirement for review)
 - ✦ Pitch: take latest version of pitch suggested by Alexey and Oleg —> done? (see talk today)
 - ✦ Overall tolerance study —> not completed, **Not in review (but presented)**
 - ✦ Thermal analysis ? Simple study to make sure we don't have issues with electronics heat or temperature changes (transports, summer/winter), etc. —> not completed (1 week full-time work needed)
 - ✦ Integration of LED calibration system —> Japan will uniform the pitch in LED plates —> not completed
 - ✦ Integration of PCB, cables, FEE —> not completed, not affecting mechanics but only envelope, **Not in review (but presented)**
 - ✦ Prototyping: ongoing but slow responses from CERN and companies —> **Not all of them in review**
 - ✦ sFGD Envelope —> show current cable design, conflict ToF corners, installation
 - ✦ Bracket basket-side design —> **Not in review** (present but no mechanics issues)

Complete tasks
Prepare documentation
Review



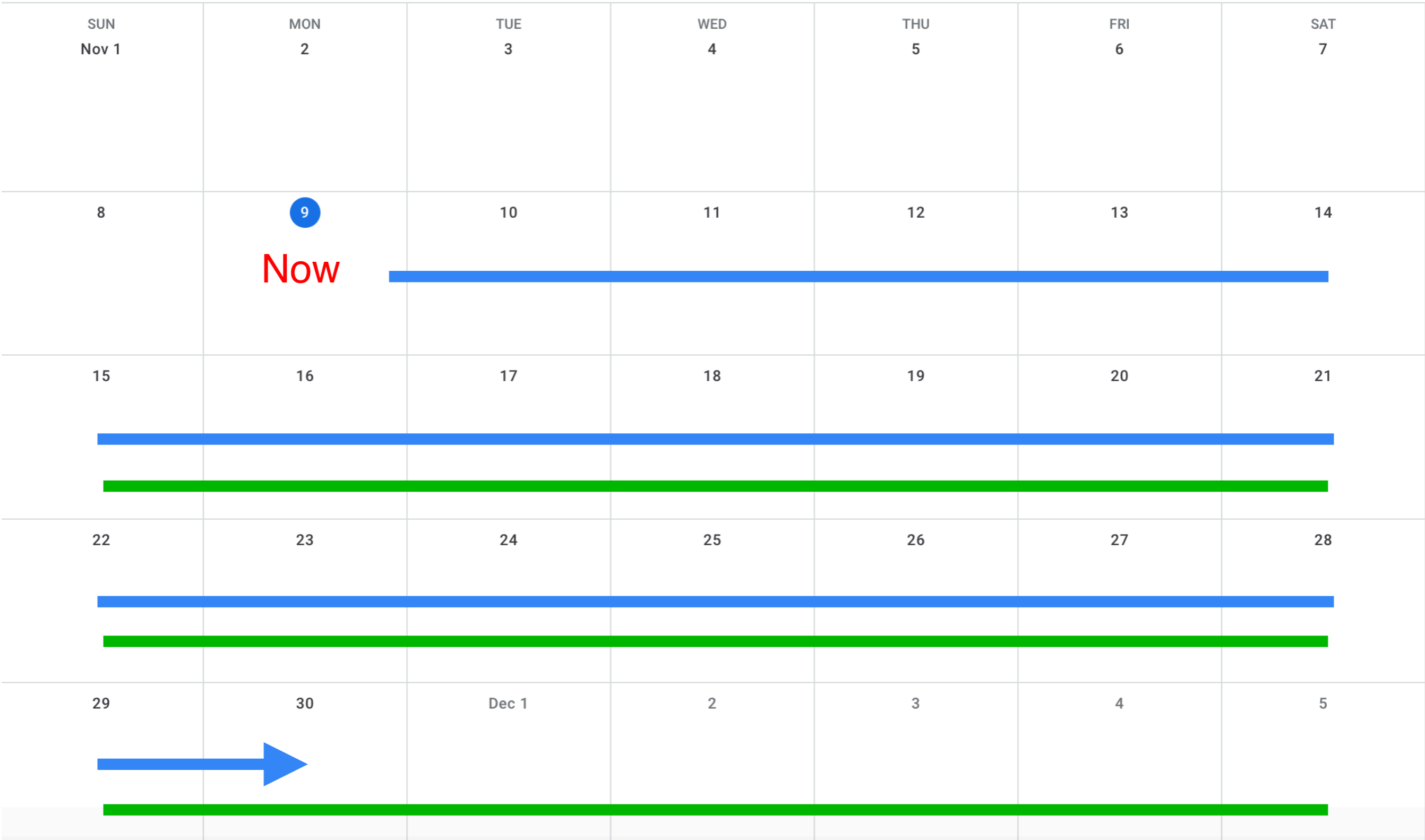
Month ▾



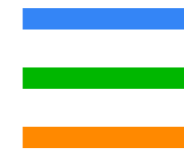
Today



November 2020



Complete tasks
Prepare documentation
Review



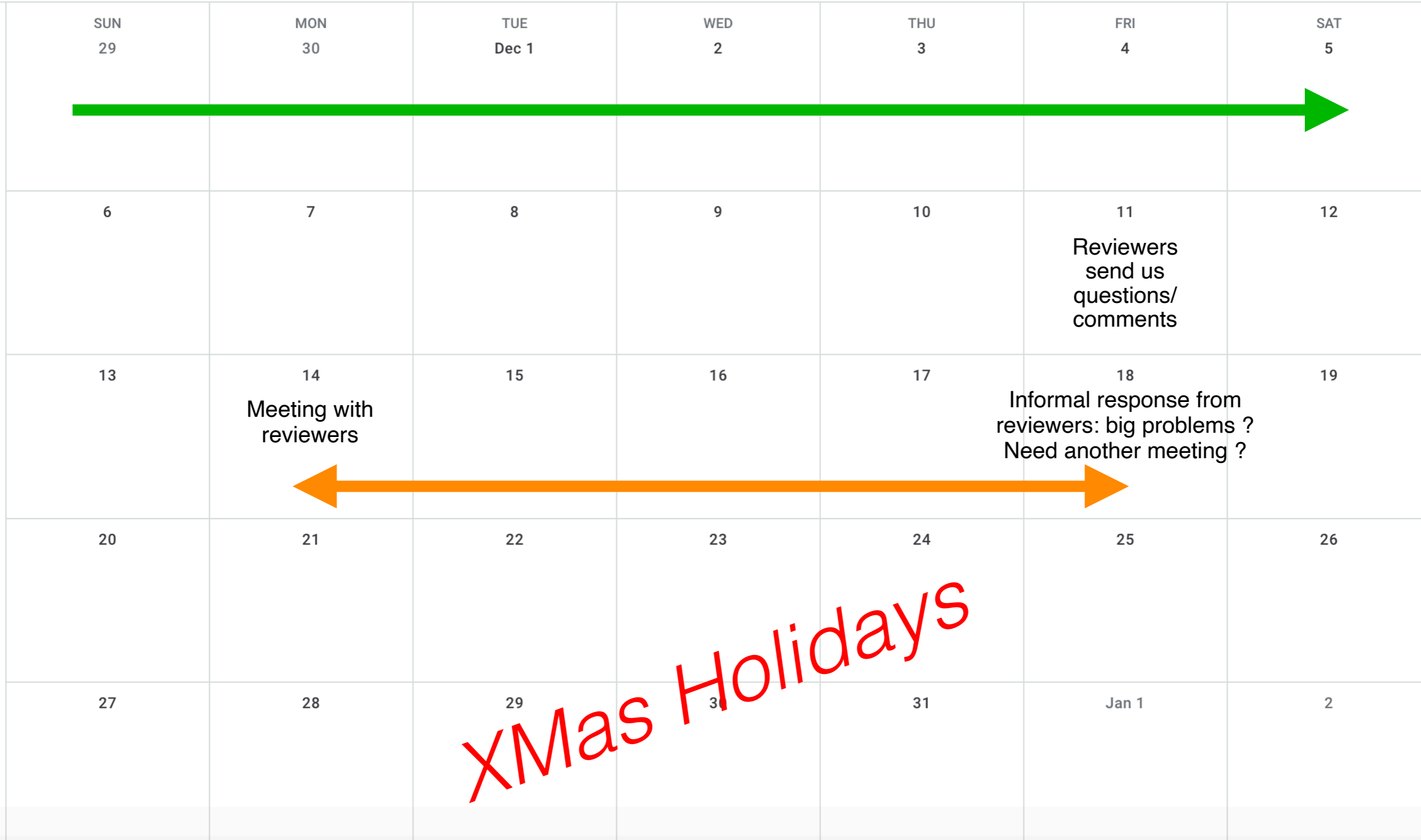
Today



December 2020

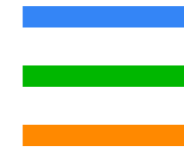


Month



Formal report from reviewers by 20th of January

Complete tasks
Prepare documentation
Review



SUN 27	MON 28	TUE 29	WED 30	THU 31	FRI Jan 1	SAT 2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	Feb 1	2	3	4	5	6

XMas Holidays

*Formal Report
by reviewers*



If everything goes smooth we can purchase the box with the new year