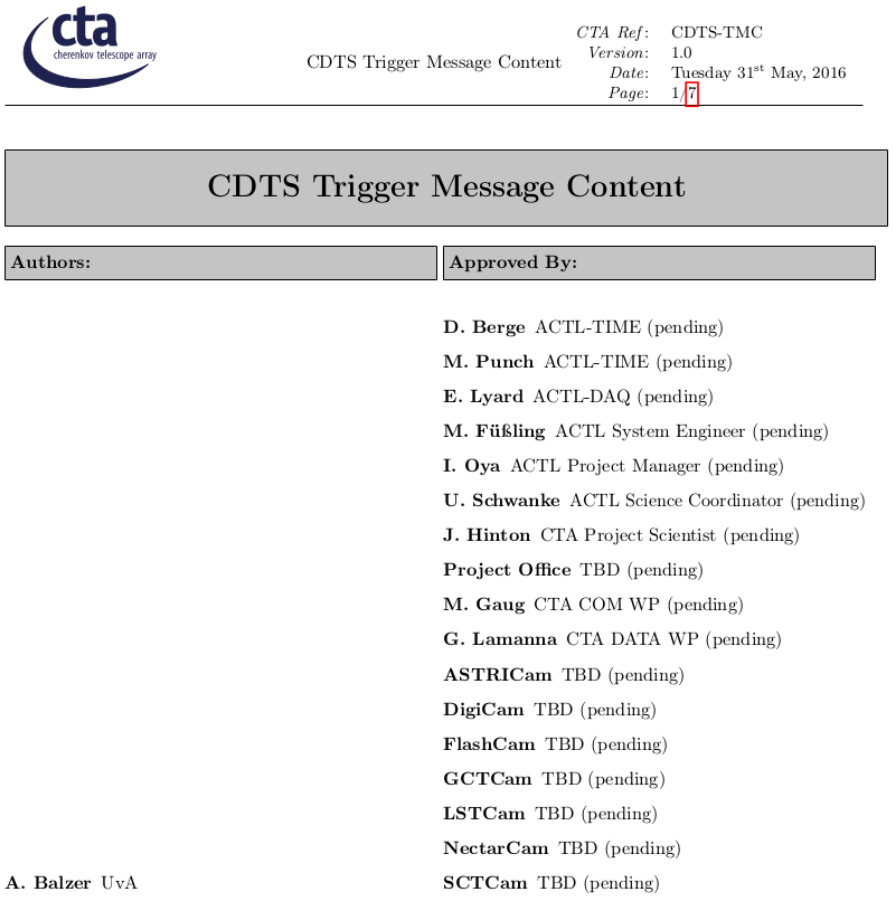
Camera Trigger Types (CDTS Trigger Message Content) ACTL-TIME

COM-CCF

Camera Trigger Types

- ACTL-TIME require feedback from COM-CCF (e-mail sent to CCF-board)



CDTS Trigger Message Content

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Camera Trigger Types

2 Trigger Types

The trigger types for all the Cherenkov camera types are listed in Table 1 and each event will be assigned a trigger type (by default the trigger type *Readout Trigger* will be used). The list is complete and no additional trigger types will be used within the timing system. Camera specific information can be stored in a dedicated field of the trigger message, see Table 4.

Table 1: Definition of all telescope trigger types.

Id	Type	Description
1	Readout Trigger	For events which are read out and sent to the camera server
2	Busy Trigger	For events which could not be read out because the camera was busy reading out another event
3	Soft Trigger	Camera is triggered while HV is off, used for warming up and system testing
4	External Trigger	Camera has been triggered by the UCTS via the external trigger pulse
5	Flatfield Trigger	Event used for flatfielding, e.g. suitable light source to homogeneously illuminate the camera has been fired
6	SinglePe Trigger	Event used for single photo electron peak determination, e.g. suitable light source creating single photons has been fired
7	Pedestal Trigger	For events that are injected during normal data taking which should only contain night sky background and electronic noise
8	Muon Trigger	For events that are most likely muon events
9	LIDAR Trigger	For events that are triggered by the LIDARs (assuming a LIDAR uses an UCTS card and creates trigger messages)

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→ Other light pulser?:
- Illuminator
- Octocopter

Other atmosphere devices?: