

ABSTRACT

Systems, devices, and methods for media processing and streaming, including receiving content to be prepared for a 5G media streaming (5GMS) network; receiving a content preparation template (CPT), wherein the CPT specifies input characteristics of an input Common Media Application Format (CMAF) track corresponding to the content, output characteristics of a set of output CMAF tracks corresponding to the content, and encoding parameters corresponding to the set of output CMAF tracks; preparing the content according to the CPT; and streaming the prepared content over the 5GMS network to a media streaming client.