What is Claimed is:

1. A method of managing capabilities of a 5G media streaming (5GMS) network using at least one processor, the method comprising:

obtaining a streaming access object corresponding to 5GMS media content;

obtaining a media service entry based on the streaming access object, wherein the media service entry includes a protocol identifier corresponding to the media service entry, and a service entry uniform resource locator (URL) corresponding to the media service entry; and

performing at least one of uplink streaming or downlink streaming of the 5GMS media content based on the media service entry, wherein the media service entry is consistent with a 5GMS M5 interface regardless of whether the media service entry is used for uplink streaming or downlink streaming of the 5GMS media content.

2. The method of claim 1, wherein the protocol identifier comprises a uniform resource name (URN) identifying the media service entry.

3. The method of claim 2, wherein the URN identifies the media service entry as one from among a Dynamic Adaptive Streaming over Hypertext Transfer Protocol (DASH) Media Presentation Description (MPD) protocol, an HTTP Live Streaming (HLS) m3u8 protocol, and a DASH-Industry Forum (IF) ingest protocol.

4. The method of any one of claims 1-3, wherein the streaming access object is included in an array of streaming access objects.

5. The method of claim 4, wherein each streaming access object of the array of streaming access objects identifies a corresponding media service entry from among a plurality of media service entries.

6. The method of claim 5, wherein a priority of the plurality of media service entries is determined based on an order of the streaming access objects within the array of streaming access objects.

7. The method of any one of claims 1-6, wherein the streaming access object corresponds to a 5th generation media streaming (5GMS) M5 interface.

8. A device for managing capabilities of a 5G media streaming (5GMS) network, the device comprising:

at least one memory configured to store program code; and

at least one processor configured to read the program code and operate as instructed by the program code, the program code including:

first obtaining code configured to cause the at least one processor to obtain a streaming access object corresponding to 5GMS media content;

second obtaining code configured to cause the at least one processor to obtain a media service entry based on the streaming access object, wherein the media service entry includes a protocol identifier corresponding to the media service entry, and a service entry uniform resource locator (URL) corresponding to the media service entry; and

performing code configured to cause the at least one processor to perform at least one of uplink streaming or downlink streaming of the 5GMS media content based on the media service entry, wherein the media service entry is consistent with a 5GMS M5 interface

regardless of whether the media service entry is used for uplink streaming or downlink streaming of the 5GMS media content.

9. The device of claim 8, wherein the protocol identifier comprises a uniform resource name (URN) identifying the media service entry.

10. The device of claim 9, wherein the URN identifies the media service entry as one from among a Dynamic Adaptive Streaming over Hypertext Transfer Protocol (DASH) Media Presentation Description (MPD) protocol, an HTTP Live Streaming (HLS) m3u8 protocol, and a DASH-Industry Forum (IF) ingest protocol.

11. The device of any one of claims 8-10, wherein the streaming access object is included in an array of streaming access objects.

12. The device of claim 11, wherein each streaming access object of the array of streaming access objects identifies a corresponding media service entry from among a plurality of media service entries.

13. The device of claim 12, wherein a priority of the plurality of media service entries is determined based on an order of the streaming access objects within the array of streaming access objects.

14. The device of any one of claims 8-13, wherein the streaming access object corresponds to a 5^{th} generation media streaming (5GMS) M5 interface.

15. A non-transitory computer-readable medium storing instructions, the instructions comprising: one or more instructions that, when executed by one or more processors of a device for managing capabilities of a 5G media streaming (5GMS) network, cause the one or more processors to:

obtain a streaming access object corresponding to 5GMS media content;

obtain a media service entry based on the streaming access object, wherein the media service entry includes a protocol identifier corresponding to the media service entry, and a service entry uniform resource locator (URL) corresponding to the media service entry; and

perform at least one of uplink streaming or downlink streaming of the 5GMS media content based on the media service entry, wherein the media service entry is consistent with a 5GMS M5 interface regardless of whether the media service entry is used for uplink streaming or downlink streaming of the 5GMS media content.

16. The non-transitory computer-readable medium of claim 15, wherein the protocol identifier comprises a uniform resource name (URN) identifying the media service entry.

17. The non-transitory computer-readable medium of claim 15 or 16, wherein the streaming access object is included in an array of streaming access objects.

18. The non-transitory computer-readable medium of claim 17, wherein each streaming access object of the array of streaming access objects identifies a corresponding media service entry from among a plurality of media service entries.

19. The non-transitory computer-readable medium of claim 18, wherein a priority of the plurality of media service entries is determined based on an order of the streaming access objects within the array of streaming access objects.

20. The non-transitory computer-readable medium of any one of claims 15-19, wherein the streaming access object corresponds to a 5th generation media streaming (5GMS) M5 interface.