

Broadcaster / Questions	Yes	No	Comments
Broadcast services: Are you using TTML subtitling (non-burn-in subtitling) in your broadcast services today?			
NRK		X	
SVT		X	
Discovery		X	
TV2 Norge	X		
DR		X	
TV2 Danmark		X	
RTÉ Transmission Network - Éire		X	
Broadcast services: If yes, are you using TTML subtitling for translation/normal subtitling?			
TV2 Norge		X	Burn-in.
Broadcast services: If yes, are you using TTML subtitling for HoH?			
TV2 Norge	X		We have recently switched over to a new distribution platform where we are offering our HoH subtitles as DVB (bitmaps), DVB TTML and OP47 teletext to our distribution partners. It is currently up to them which one they are using. The last feedback I had from the distributors is that some of them are testing the TTML feeds now.
Broadcast services: Are you planning to use TTML subtitling (non-burn-in subtitling) in your broadcast services?			
NRK	X		NRK is planning to use DVB-TTML for the linear broadcast services from approx. 2023. This will be along with DVB Subtitling which is used today.
SVT		X	HoH services: Teletext page 199 on all BC channels for all Swedish speaking program (live and taped)
Discovery		X	

TV2 Norge	X		
DR		X	We transmit HoH subtitles as teletext subtitles and we have no plans to change that.
TV2 Danmark	X		No actual plans, but we expect to use TTML if or when we are offering UHD.
RTÉ Transmission Network - Éire		X	
Broadcast services: What TTML services due you have planned for your broadcast services and when will they be implemented?			
TV2 Norge	X		We are looking into this, but we might have to offer bitmaps as well as TTML to our distribution partners for phase 1, as TTML is new both to us and to the distributors. We will start off with HoH subs before we possibly will move all subtitling over to these two formats.
TV2 Danmark	X		We expect to stop burned in subtitles in a UHD channel and offer translation, hard of hearing and descriptive subtitles.
Online services: Are you using TTML subtitling (non-burn-in subtitling) in your Online services today?			
NRK		X	NRK use WebVTT for subtitling on NRK.TV (NRK's net player). This is under the W3C umbrella of web standards and well supported by user devices.
SVT		X	HoH services: User activated function in app/web page for all Swedish speaking programs.
TV2 Norge	X		Currently in use for VOD content only on certain stream formats (other formats are using WebVTT subs).
DR		X	For VOD we use overlay with WebVTT. For simulcast/live we use burn-in.

TV2 Danmark		X	Awaiting reply.
RTÉ Transmission Network - Éire		X	
Online services: If yes, are you using TTML subtitling for translation/normal subtitling?			
TV2 Norge	X		Currently in use for VOD content only.
DR		X	For subtitles translation we use overlay, but fix so user can toggle/remove its always on.
Online services: If yes, are you using TTML subtitling for HoH?			
TV2 Norge	X		Currently in use for VOD content only. The viewer can select foreign language subtitling or HoH in the player.
DR		X	Currently in use for VOD content as WebVTT. For live we use burn-in.
Online services: Are you planning to use TTML subtitling (non-burn-in subtitling) in your online services?			
NRK		X	
SVT		X	
TV2 Norge	X		We plan to implement TTML subtitling on the simulcast feeds coming from our linear broadcast platform. The OTT platform will receive these subs in the same way as the broadcast distributors. It requires development on our OTT player to be able support TTML insertion on the simulcast channels.
DR	X		We plan to use TTML for dash HbbTV, to be investigated in Q2-22
TV2 Danmark		X	
RTÉ Transmission Network - Éire		X	
Online services: What TTML services due you have planned for your online services and when will they be implemented?			



Questionnaire: Use or planned use of TTML subtitling by NorDig broadcasters.

Draft 12.10.2021

TV2 Norge	X		The plan is to start off with HoH on the simulcast channels, then possibly move all subtitling over to TTML if we turn off burnt-in subtitling on the linear broadcast platform.
DR	X		We plan to use TTML for dash, HbbTV to be investigated in Q2-22