MR Pulse Sequence Validation Form - Developer

Sequence name		Programming platform	Platform
Description		Author(s)	
		Contact info	
		Date	

Part 1: Sequence Information

Sequence Support Checklist

Steps	Doc.	Code	Raw data	Images
Simulation				
Acquisition				
Reconstruction				
Post-processing				
Safety				

Sequence Files List

Sequence Scripts	
Sequence Waveforms	
Usage Documentation	
Others (specify):	

Part 2: Simulation and Safety Checks

Simulation Platform	Platform			Simulation Files List	
Parameters	N		#spins		Documentation	
	Dims		Type		
	Other parameters:			Numerical Phantom	
				Sequence Files	

Simulated Image	
	B0 Map
	B1 Map (Tx/Rx)
	Raw Data
	Reconstructed Data
	Safety metrics
	Others (specify):

Safety Checks	Simulated Value [unit]	Scanner Value [unit]	Method
SAR			
PNS			
Other (specify):			

Part 3: Acquisition

Scanner									Acquisition Files List	
Scanner									**Acquisition Files List**	
RF Coils	Tx		#ch		Rx		#ch		Documentation	
Subject										
									Sequence Files w/ MD5 hash value	
Sequence Parameters										
Geometry	N		Thk		Slice dir.				Raw Data	
	FOV		#slices		Read dir.					
Contrast	TR		TE		FA				Others (specify):	
Others (specify):										

Part 4: Reconstruction

Sampling Type		Reconstruction Files List	
Sampling Type		**Reconstruction Files List**	
Reconstruction Method		Documentation	
		Scripts	
Sample Images & Quality Metrics		k-space trajectory	
		Slice / Phase Reordering	
		Reconstructed data	
		Image files	
		Image quality metrics	
		Others (specify):	

SNRdiff		PSNR		SSIM		Other	

Part 5: Quantitative Mapping and Post-Processing

Map Type		Mapping & post-processing Files List	
Map Type	Specify for "other":	**Mapping & post-processing Files List**	
Mapping Algorithm		Documentation	
		Mapping Scripts	
Post-Processing Steps		Post-Processing Scripts	
Quantitative Maps & Evaluation		Map data	
		Mapping accuracy metrics	
		Others (specify):	
Map accuracy			