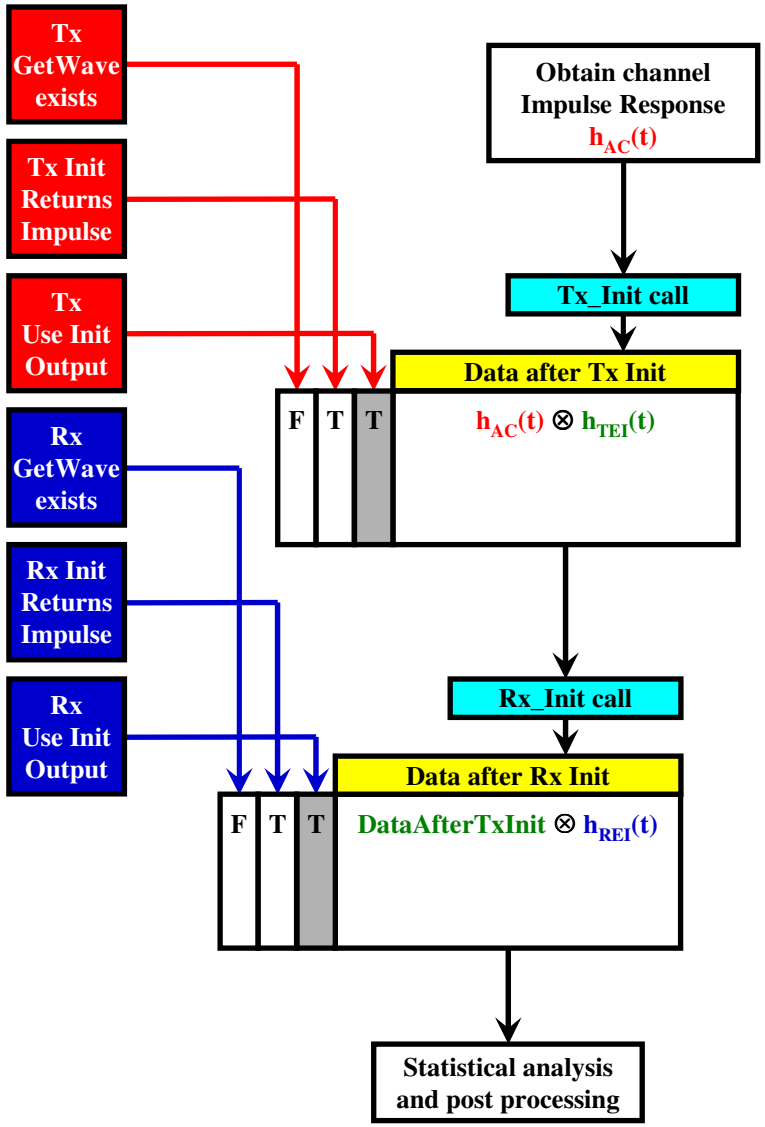
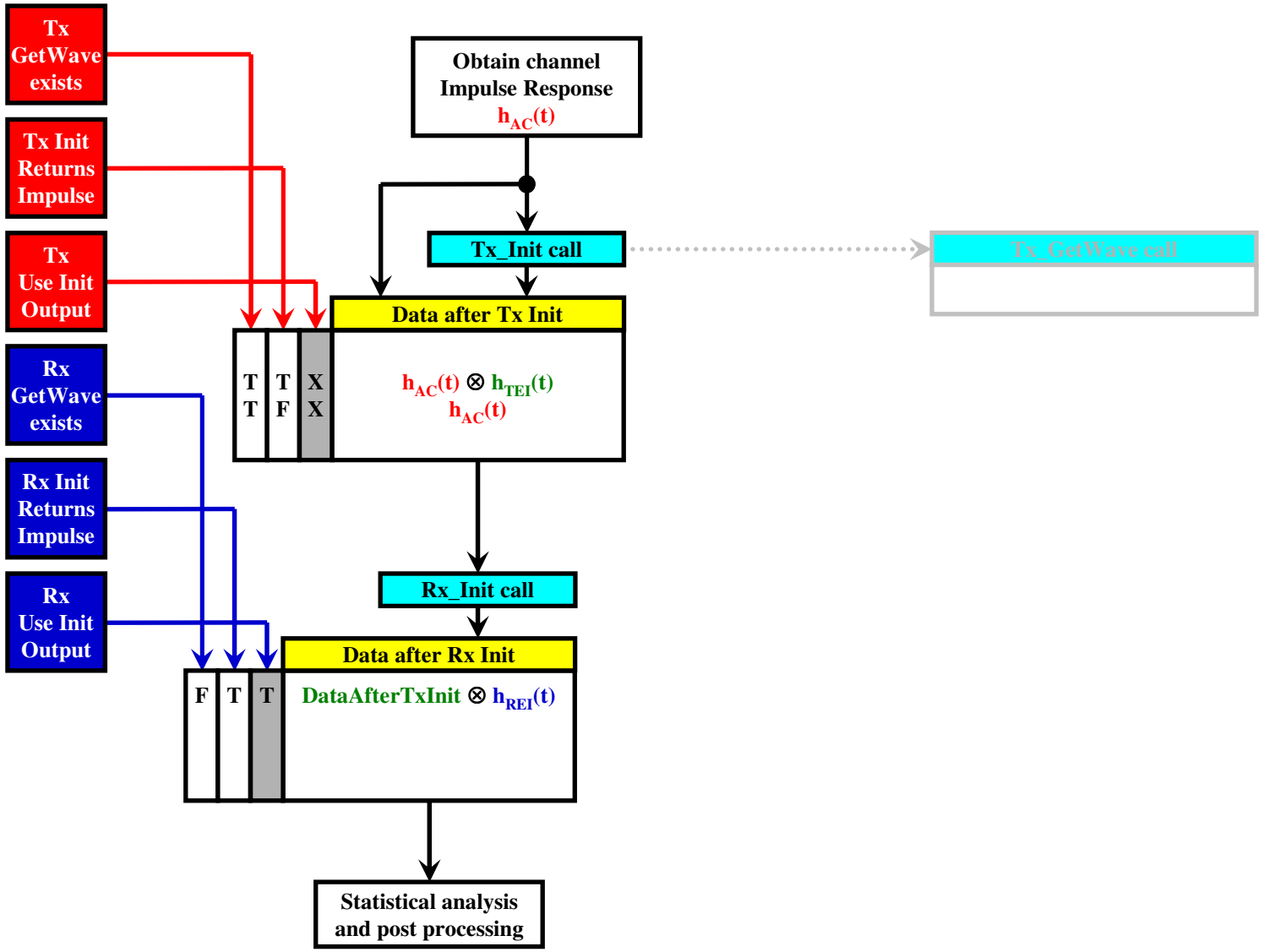
AMI flow #7 - statistical simulations without GetWave



Notes:

1. *Use_Init_Output is optional. If not declared it defaults to TRUE.*
2. *When GetWave_Exists = FALSE, both Use_Init_Output and Init_Returns_Impulse must be TRUE*
3. *For statistical simulations Use_Init_Output is ignored and is treated as if it was TRUE*

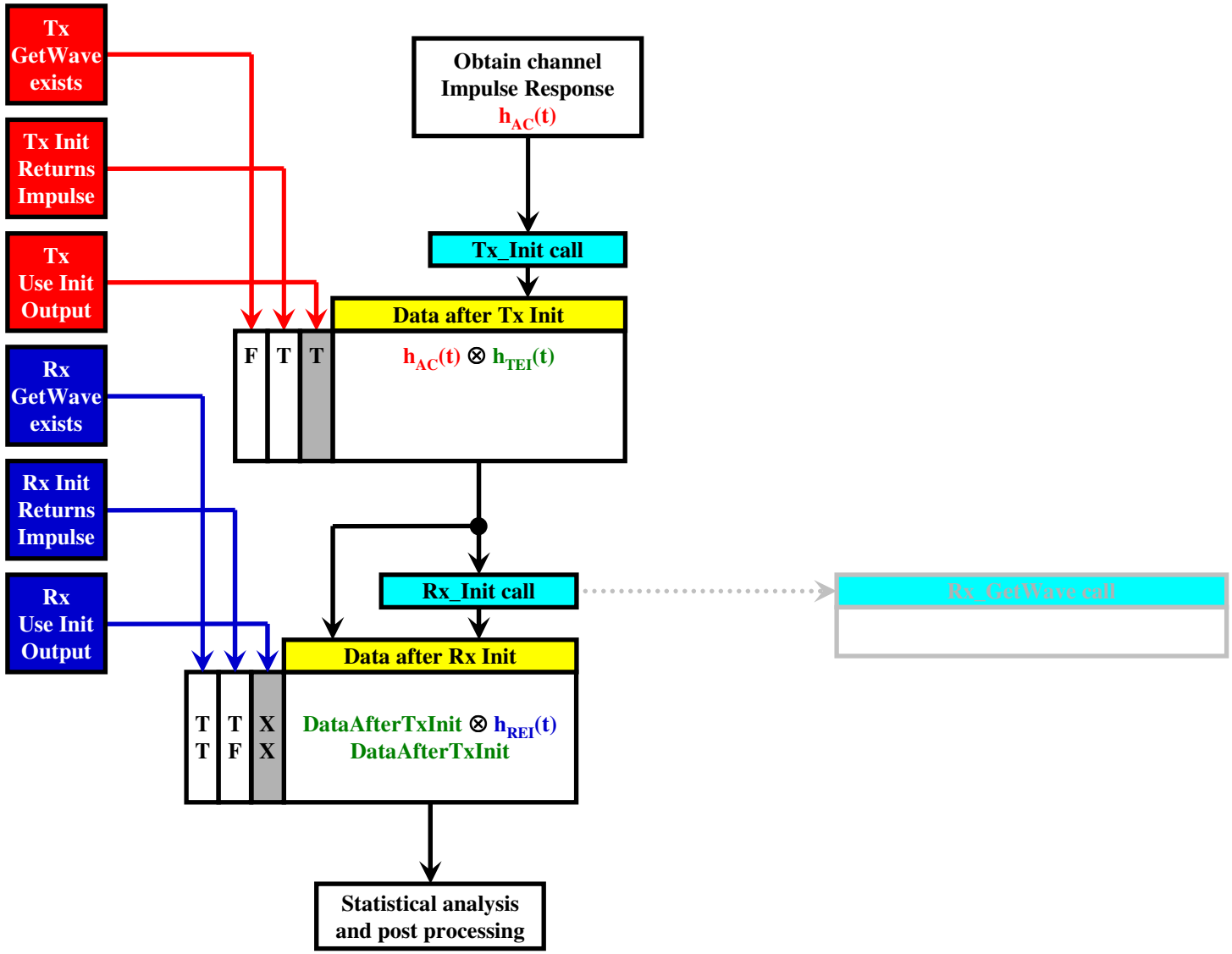
AMI flow #7 - statistical simulations when Tx GetWave is present



Notes:

1. *Use_Init_Output is optional. If not declared it defaults to TRUE.*
2. *When GetWave_Exists = FALSE, both Use_Init_Output and Init_Returns_Impulse must be TRUE*
3. *For statistical simulations Use_Init_Output is ignored and is treated as if it was TRUE*

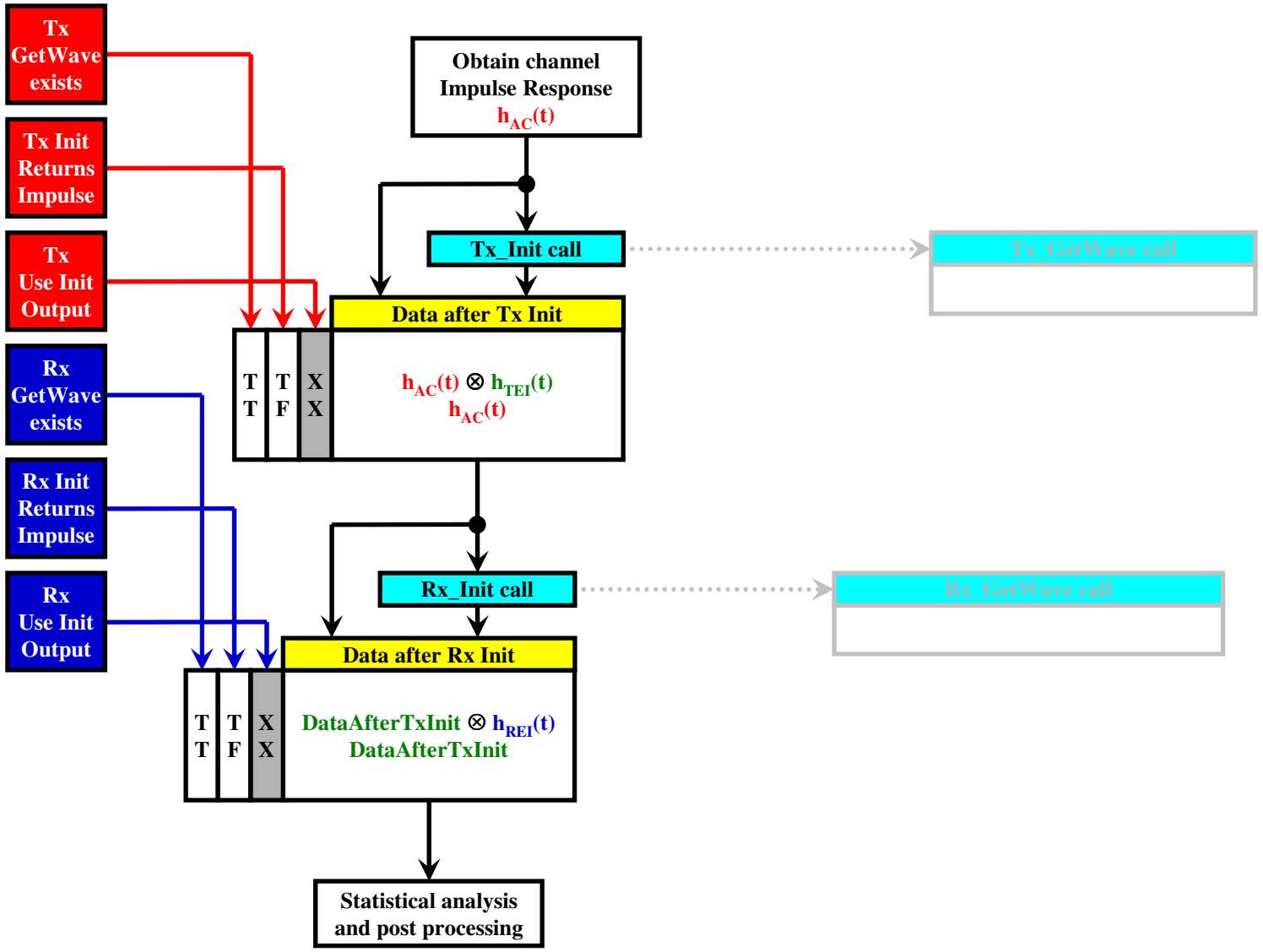
AMI flow #7 - statistical simulations when Rx GetWave is present



Notes:

1. *Use_Init_Output is optional. If not declared it defaults to TRUE.*
2. *When GetWave_Exists = FALSE, both Use_Init_Output and Init_Returns_Impulse must be TRUE*
3. *For statistical simulations Use_Init_Output is ignored and is treated as if it was TRUE*

AMI flow #7 - statistical simulations when both GetWaves are present



Notes:

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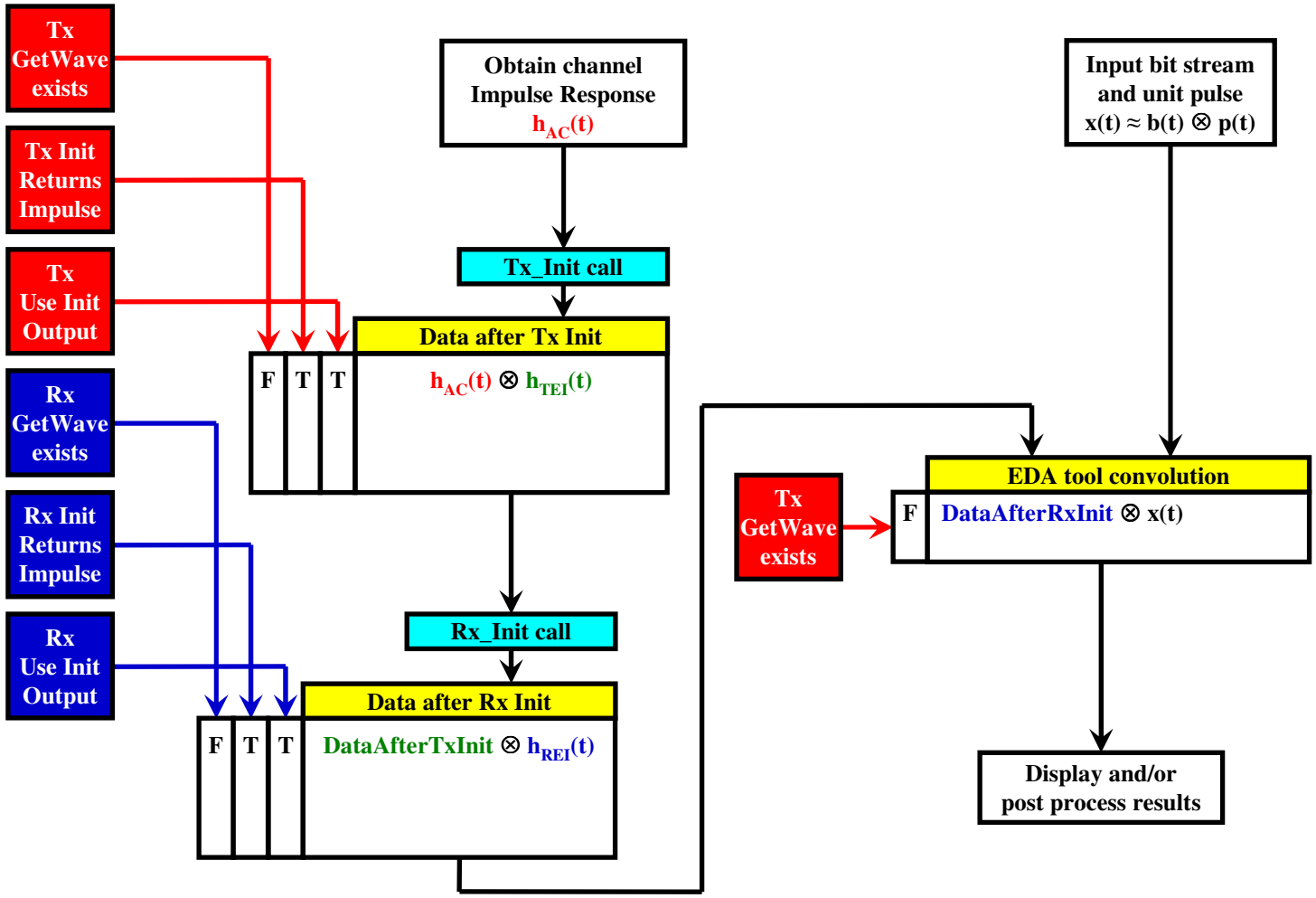
2. *When GetWave_Exists = FALSE, both Use_Init_Output and Init_Returns_Impulse must be TRUE*
3. *For statistical simulations Use_Init_Output is ignored and is treated as if it was TRUE*

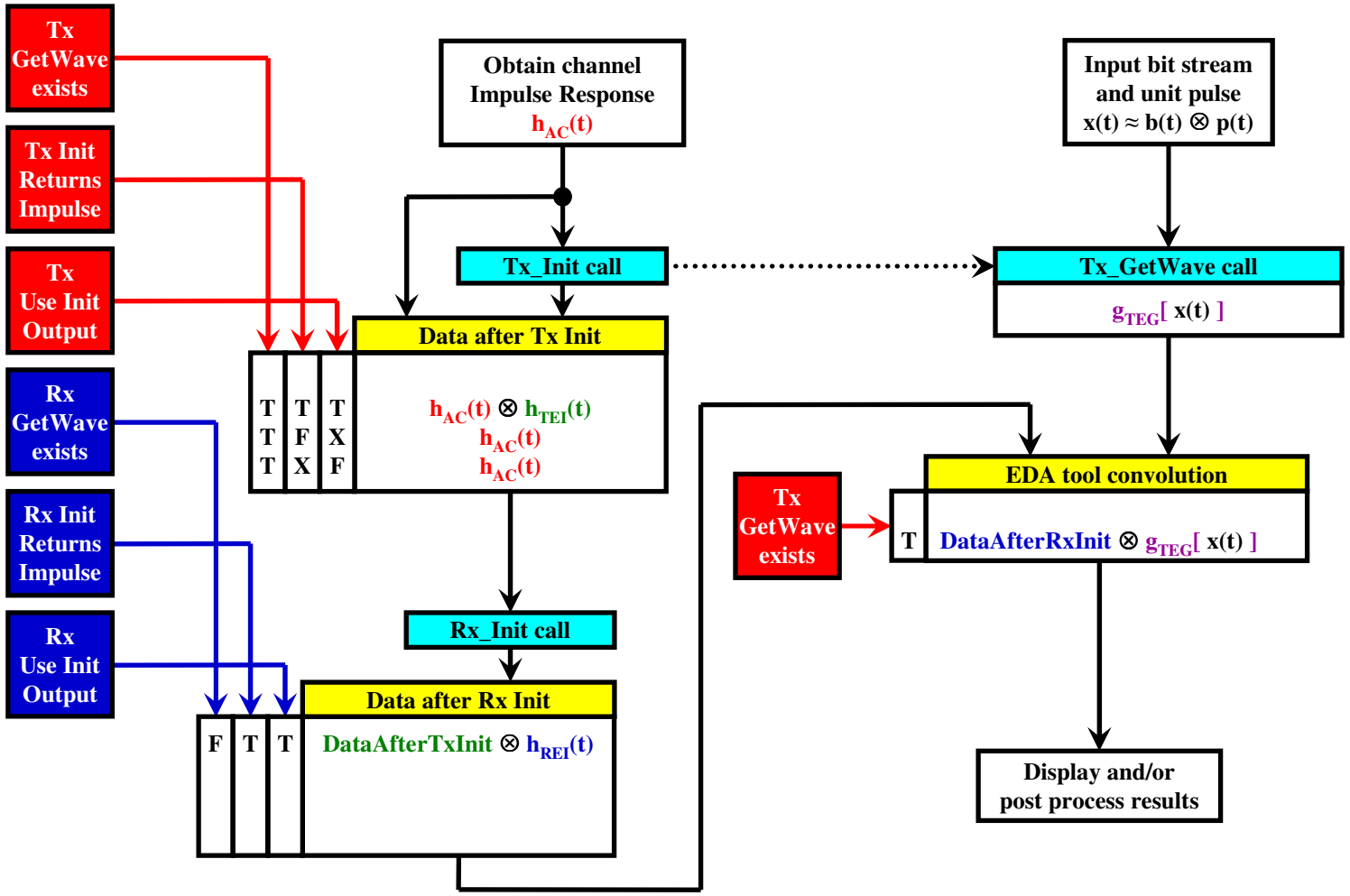
AMI flow #7 - TD simulations without GetWave



Notes:

1. *Use_Init_Output is optional. If not declared it defaults to TRUE.*
2. *When GetWave_Exists = FALSE, both Use_Init_Output and Init_Returns_Impulse must be TRUE*
3. *For statistical simulations Use_Init_Output is ignored and is treated as if it was TRUE*

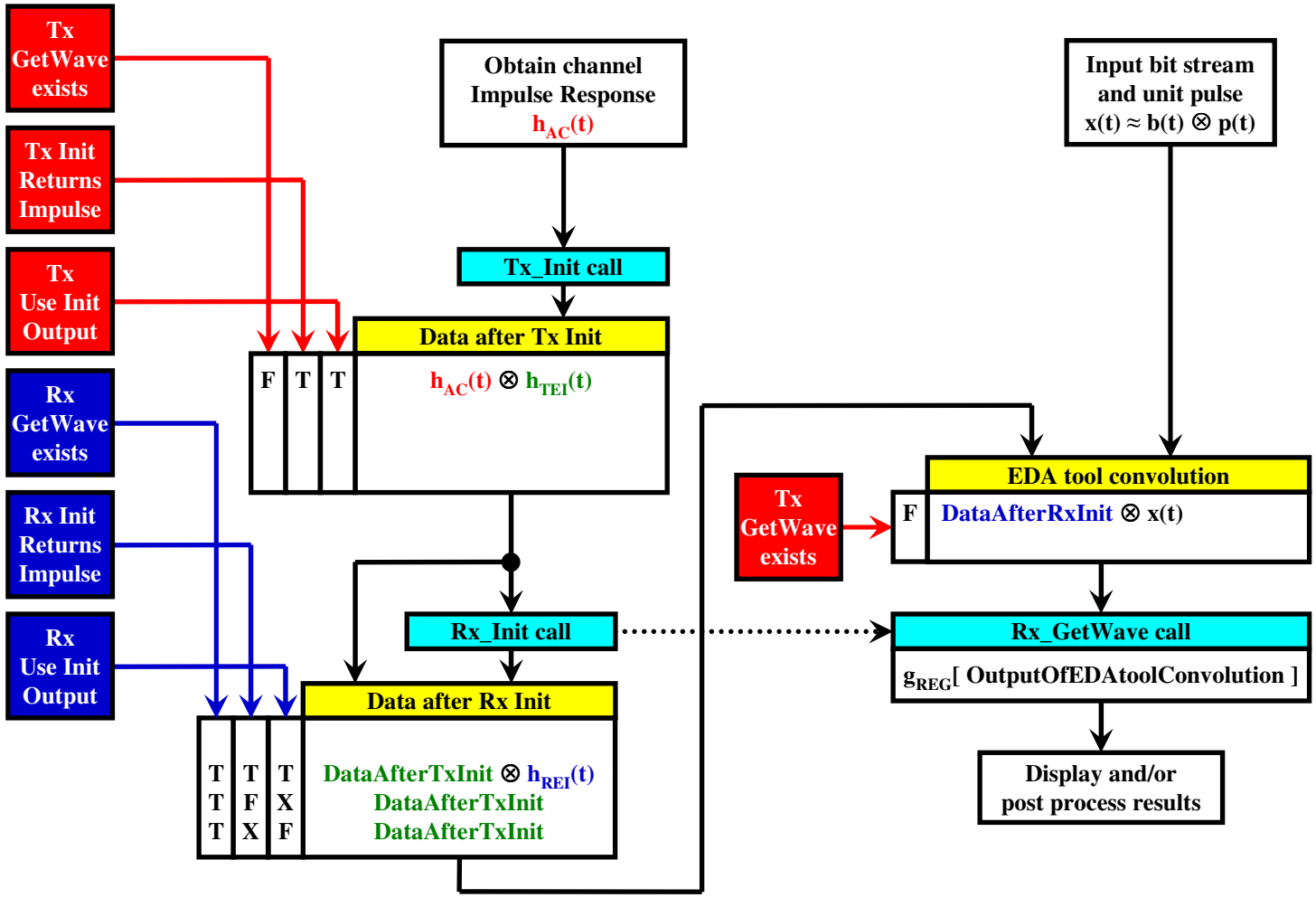
AMI flow #7 - TD simulations with Tx GetWave only



Notes:

1. *Use_Init_Output is optional. If not declared it defaults to TRUE.*
2. *When GetWave_Exists = FALSE, both Use_Init_Output and Init_Returns_Impulse must be TRUE*
3. *For statistical simulations Use_Init_Output is ignored and is treated as if it was TRUE*

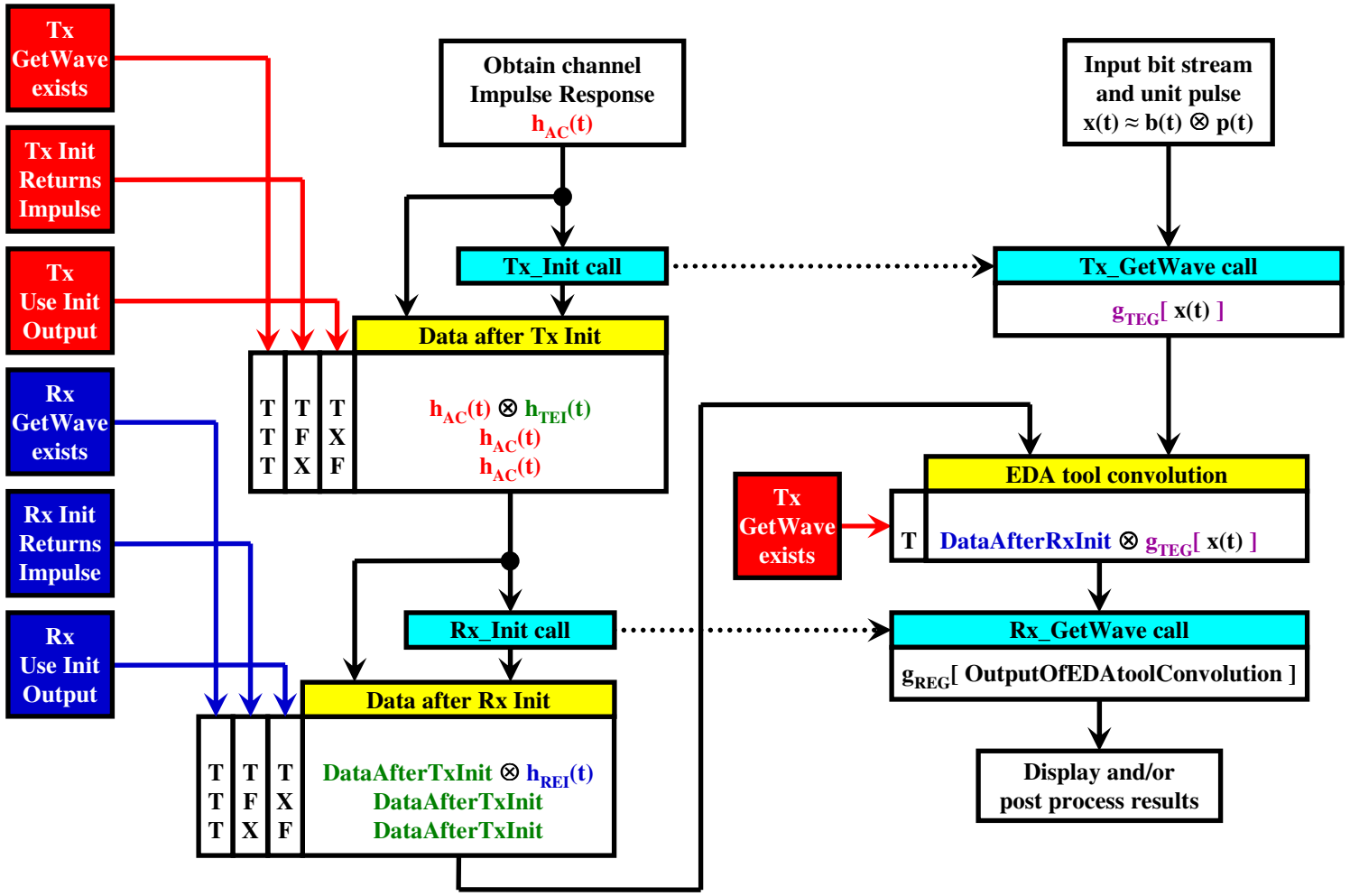
AMI flow #7 - TD simulations with Rx GetWave only



Notes:

1. *Use_Init_Output is optional. If not declared it defaults to TRUE.*
2. *When GetWave_Exists = FALSE, both Use_Init_Output and Init_Returns_Impulse must be TRUE*
3. *For statistical simulations Use_Init_Output is ignored and is treated as if it was TRUE*

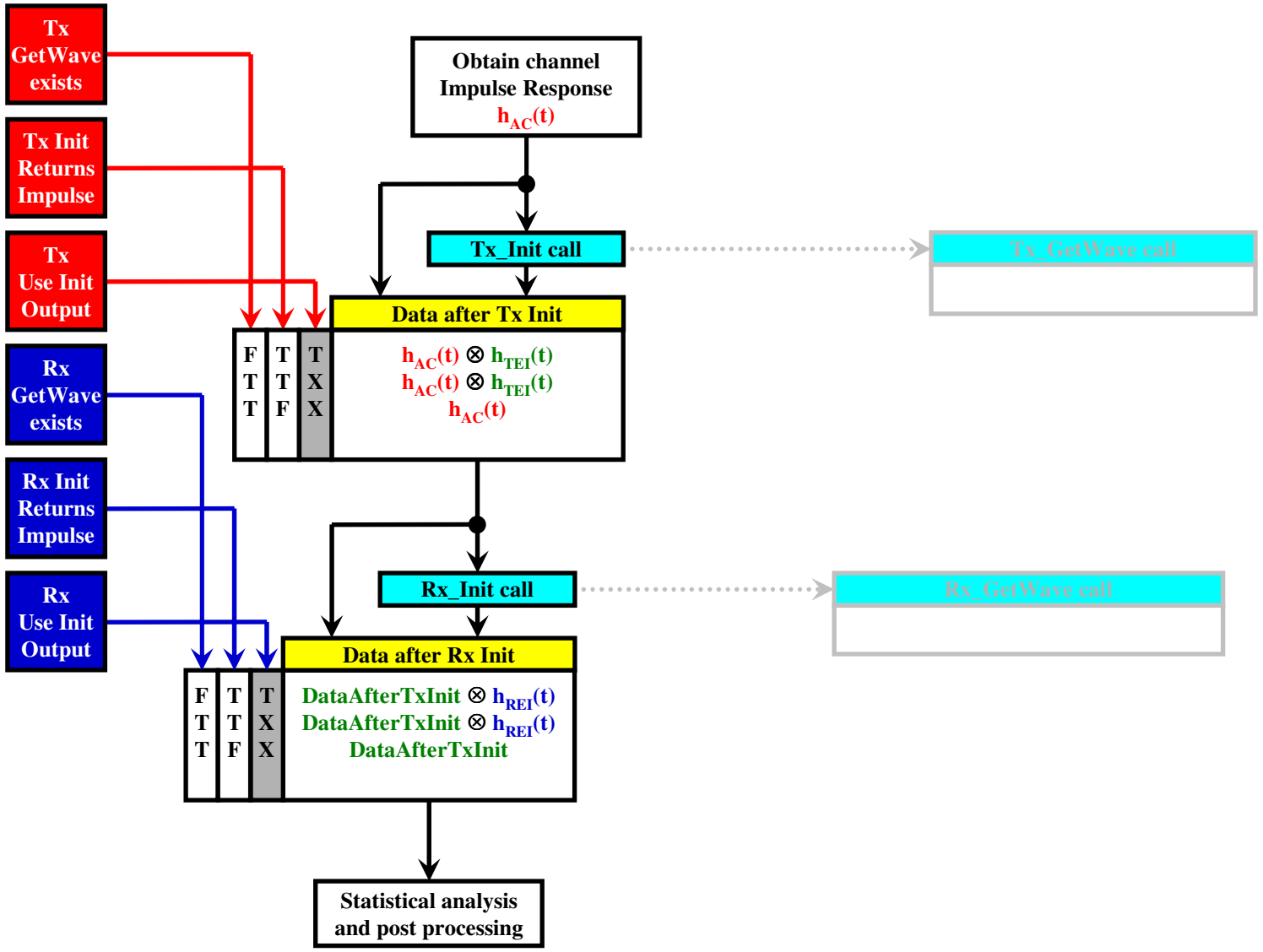
AMI flow #7 - TD simulations with both GetWaves



Notes:

1. *Use_Init_Output is optional. If not declared it defaults to TRUE.*
2. *When GetWave_Exists = FALSE, both Use_Init_Output and Init_Returns_Impulse must be TRUE*
3. *For statistical simulations Use_Init_Output is ignored and is treated as if it was TRUE*

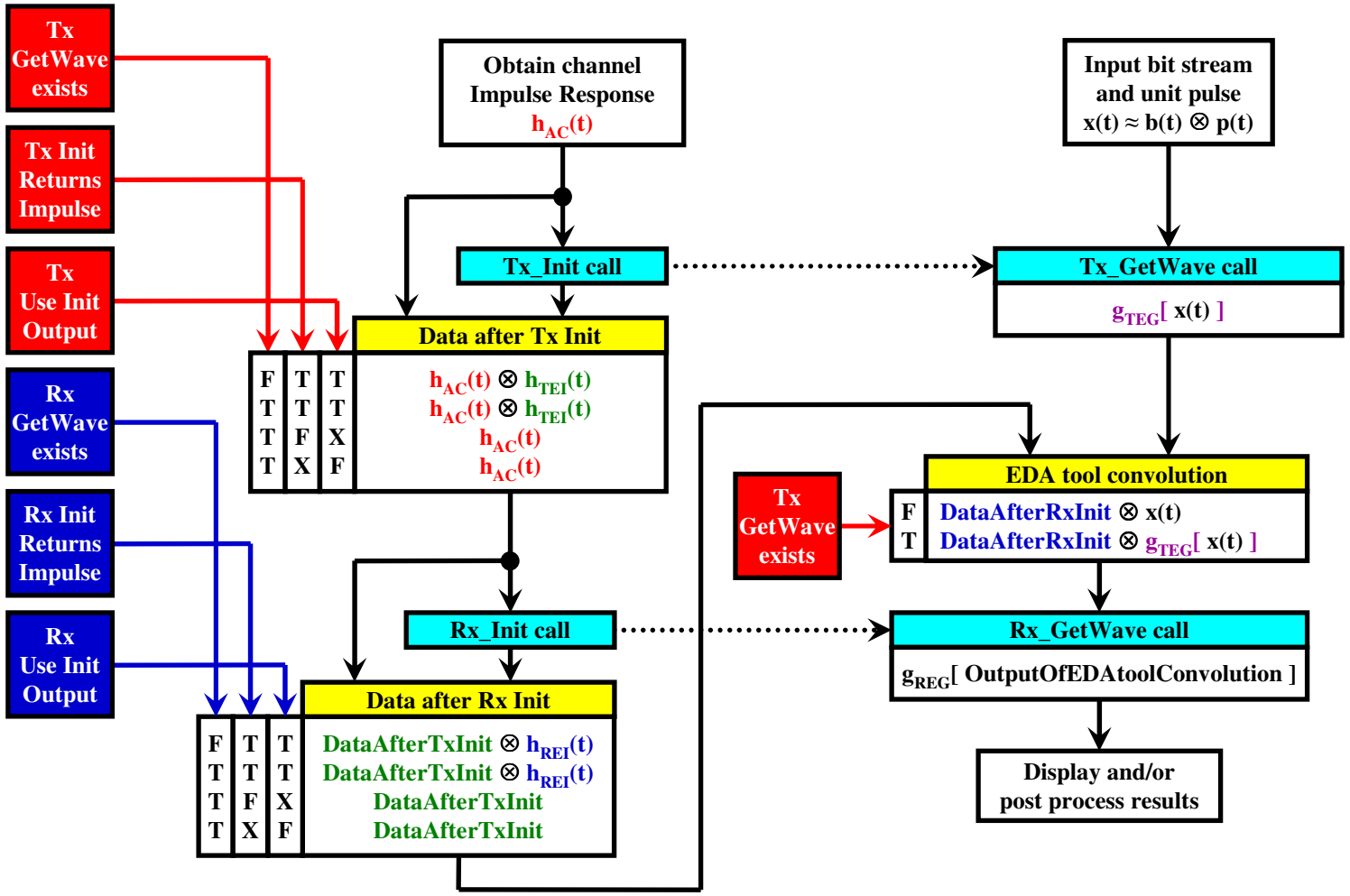
AMI flow #7 - all in one for statistical simulations



Notes:

1. *Use_Init_Output is optional. If not declared it defaults to TRUE.*
2. *When GetWave_Exists = FALSE, both Use_Init_Output and Init_Returns_Impulse must be TRUE*
3. *For statistical simulations Use_Init_Output is ignored and is treated as if it was TRUE*

AMI flow #7 - all in one for TD simulations



Notes:

1. *Use_Init_Output is optional. If not declared it defaults to TRUE.*
2. *When GetWave_Exists = FALSE, both Use_Init_Output and Init_Returns_Impulse must be TRUE*
3. *For statistical simulations Use_Init_Output is ignored and is treated as if it was TRUE*

Truth table for statistical simulations

Tx GetWave Exists	Tx Init Returns Impulse	Tx Use Init Output	Rx GetWave Exists	Rx Init Returns Impulse	Rx Use Init Output	Expected input to statistical analysis and post processing	
F	T	T	F	T	T	$h_{AC}(t) \otimes h_{TEI}(t) \otimes h_{REI}(t)$	slide 1
F	T	T	T	T	X	$h_{AC}(t) \otimes h_{TEI}(t) \otimes h_{REI}(t)$	slide 3
F	T	T	T	F	X	$h_{AC}(t) \otimes h_{TEI}(t)$	slide 3
T	T	X	F	T	T	$h_{AC}(t) \otimes h_{TEI}(t) \otimes h_{REI}(t)$	slide 2
T	T	X	T	T	X	$h_{AC}(t) \otimes h_{TEI}(t) \otimes h_{REI}(t)$	slide 4
T	T	X	T	F	X	$h_{AC}(t) \otimes h_{TEI}(t)$	slide 4
T	F	X	F	T	T	$h_{AC}(t) \otimes h_{REI}(t)$	slide 2
T	F	X	T	T	X	$h_{AC}(t) \otimes h_{REI}(t)$	slide 4
T	F	X	T	F	X	$h_{AC}(t)$	slide 4

Notes:

1. *Use_Init_Output is optional. If not declared it defaults to TRUE.*
2. *When GetWave_Exists = FALSE, both Use_Init_Output and Init_Returns_Impulse must be TRUE*
3. *For statistical simulations Use_Init_Output is ignored and is treated as if it was TRUE*

Truth table for TD simulations

Tx GetWave Exists	Tx Init Returns Impulse	Tx Use Init Output	Rx GetWave Exists	Rx Init Returns Impulse	Rx Use Init Output	Expected TD simulation results	
F	T	T	F	T	T	$h_{AC}(t) \otimes h_{TEI}(t) \otimes h_{REI}(t) \otimes x(t)$	slide 5
F	T	T	T	T	T	$g_{REG}[\, h_{AC}(t) \otimes h_{TEI}(t) \otimes h_{REI}(t) \otimes x(t) \,]$	slide 7
F	T	T	T	F	X	$g_{REG}[\, h_{AC}(t) \otimes h_{TEI}(t) \otimes x(t) \,]$	slide 7
F	T	T	T	X	F	$g_{REG}[\, h_{AC}(t) \otimes h_{TEI}(t) \otimes x(t) \,]$	slide 7
T	T	T	F	T	T	$h_{AC}(t) \otimes h_{TEI}(t) \otimes h_{REI}(t) \otimes g_{TEG}[\, x(t) \,]$	slide 6
T	T	T	T	T	T	$g_{REG}[\, h_{AC}(t) \otimes h_{TEI}(t) \otimes h_{REI}(t) \otimes g_{TEG}[\, x(t) \,] \,]$	slide 8
T	T	T	T	F	X	$g_{REG}[\, h_{AC}(t) \otimes h_{TEI}(t) \otimes g_{TEG}[\, x(t) \,] \,]$	slide 8
T	T	T	T	X	F	$g_{REG}[\, h_{AC}(t) \otimes h_{TEI}(t) \otimes g_{TEG}[\, x(t) \,] \,]$	slide 8
T	F	X	F	T	T	$h_{AC}(t) \otimes h_{REI}(t) \otimes g_{TEG}[\, x(t) \,]$	slide 6
T	F	X	T	T	T	$g_{REG}[\, h_{AC}(t) \otimes h_{REI}(t) \otimes g_{TEG}[\, x(t) \,] \,]$	slide 8
T	F	X	T	F	X	$g_{REG}[\, h_{AC}(t) \otimes g_{TEG}[\, x(t) \,] \,]$	slide 8
T	F	X	T	X	F	$g_{REG}[\, h_{AC}(t) \otimes g_{TEG}[\, x(t) \,] \,]$	slide 8
T	X	F	F	T	T	$h_{AC}(t) \otimes h_{REI}(t) \otimes g_{TEG}[\, x(t) \,]$	slide 6
T	X	F	T	T	T	$g_{REG}[\, h_{AC}(t) \otimes h_{REI}(t) \otimes g_{TEG}[\, x(t) \,] \,]$	slide 8
T	X	F	T	F	X	$g_{REG}[\, h_{AC}(t) \otimes g_{TEG}[\, x(t) \,] \,]$	slide 8
T	X	F	T	X	F	$g_{REG}[\, h_{AC}(t) \otimes g_{TEG}[\, x(t) \,] \,]$	slide 8

Notes:

1. *Use_Init_Output is optional. If not declared it defaults to TRUE.*
2. *When GetWave_Exists = FALSE, both Use_Init_Output and Init_Returns_Impulse must be TRUE*
3. *For statistical simulations Use_Init_Output is ignored and is treated as if it was TRUE*