

# Interface Control Document (ICD) For Test Activity Data Aggregator (TADA) and Attenuator Program (AP)

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## From TADA to AP

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Message	Data Type	Variable
Start Command	int	ID = 1
	int	RunNumber

Message	Data Type	Variable
Stop Command	int	ID = 2

Message	Data Type	Variable
Pause Command	Int	ID = 4

Message	Data Type	Variable
Box 1 Command	Int	ID = 11
	boolean	Pwr1On

Message	Data Type	Variable
Box 1 Command	Int	ID = 12
	Int	dBAttenuationStartValue

Message	Data Type	Variable
Box 2 Command	int	ID = 13
	boolean	Pwr2On

Message	Data Type	Variable
Box 2 Command	Int	ID = 14
	Int	dBAttenuationStartValue

Message	Data Type	Variable
Scan Rate Command	Int	ID = 15
	Int	dBAttenuationIncrement
	Int	PeriodInSeconds
	Int	Box1/Box2

1 is box 1, 2 is box 2, all others thrown out

Message	Data Type	Variable
GetAttenuationValues	int	ID = 21

Message	Data Type	Variable
GetStatus	int	ID = 22

Message	Data Type	Variable
GetData	Int	ID = 23

## From AP to TADA

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Message	Data Type	Variable
AttenuationValues	int	ID = 101
	int	Box1AttenValue
	int	Box2AttenValue
	boolean	Box1On
	boolean	Box2On

Message	Data Type	Variable
Status	int	ID = 102
	boolean	RunInProgres
	boolean	Pause

Message	Data Type	Variable
Data	int	ID = 103
	float	Box1Pwr
	float	Box2Pwr
	int	Box1AttenuationCurrentValue
	int	Box2AttenuationCurrentValue