## **Treatment Planning System Export Capability Per Modality**

The table below lists treatment planning systems (TPS) whose data export capabilities have been tested by IROC-St. Louis (formerly, the Advanced Technology QA Consortium). The TPS listed here were deemed to be *ATC Compliant* for the indicated five treatment modalities as of July 14, 2014. In each case, cooperative group protocol participants have submitted *complete*, *reviewable* digital data sets using these systems. Prospective users should consult the TPS manufacturer to verify the capabilities of the TPS *version* they intend to use for protocol submissions and consult the protocol text for any additional submission requirements.

Vendor         System         Version¹         3DCRT IMRT Brachy Brachy Protons           Accurav         MultiPlan         1.5.2         D         ✓           BrainLAB         iPlan         4.1²         D         ✓         ✓           Elekta         CMS Focus/XiO         3.1         R         ✓         ✓         ✓           CMS XiO         4.3.1         D         ✓         ✓         ✓         ✓           RenderPlan 3D         R         ✓         ✓         ✓         ✓         ✓           Nomos         Corvus         R         ✓         ✓         ✓         ✓           Nucletron         Helax TMS         R         ✓         ✓         ✓         ✓           Nucletron         1.5         D         ✓         ✓         ✓         ✓           PLATO RTS         2.62         D         ✓         ✓         ✓         ✓           PLATO BPS         14.2.6         D         ✓         ✓         ✓         ✓	<b>Treatment Planning Systems</b>			Exchange Format	·			odality HDR	
BrainLAB         iPlan         4.1 ²         D         ✓           Elekta         CMS Focus/XiO         3.1         R         ✓         ✓           CMS XiO         4.3.1         D         ✓         ✓           RenderPlan 3D         R         ✓         ✓           PrecisePlan         2.01         D         ✓         ✓           Nomos         Corvus         R         ✓         ✓           Nucletron         Helax TMS         R         ✓         ✓           TheraPlan Plus         R         ✓         ✓           Oncentra MasterPlan         3.1         D         ✓         ✓           PLATO RTS         2.62         D         ✓         ✓           PLATO BPS         14.2.6         D         ✓         ✓           SPOT-PRO         3.1-00         D         ✓         ✓	Vendor	System	Version <sup>1</sup>		3DCRT	<b>IMRT</b>	Brachy	Brachy	Protons
Elekta         CMS Focus/XiO         3.1         R         ✓         ✓           CMS XiO         4.3.1         D         ✓         ✓           RenderPlan 3D         R         ✓         ✓           PrecisePlan 2.01         D         ✓         ✓           Nomos         Corvus         R         ✓         ✓           Nucletron         Helax TMS         R         ✓         ✓           TheraPlan Plus         R         ✓         ✓           Oncentra MasterPlan         3.1         D         ✓         ✓           PLATO RTS         2.62         D         ✓           PLATO BPS         14.2.6         D         ✓           SPOT-PRO         3.1-00         D         ✓	Accuray	MultiPlan	1.5.2	D		$\checkmark$			
Focus/XiO 3.1 R  CMS XiO 4.3.1 D  RenderPlan 3D  PrecisePlan 2.01 D  Nomos  Corvus  R  Nucletron  Helax TMS  TheraPlan Plus  Oncentra MasterPlan 3.1 D  PLATO RTS 2.62 D  PLATO BPS 14.2.6 D  SPOT-PRO 3.1-00 D	<b>BrainLAB</b>	iPlan	4.1 <sup>2</sup>	D	$\checkmark$	$\checkmark$			
RenderPlan 3D  PrecisePlan 2.01  D  Nomos  Corvus  R  V  A  Nucletron  Helax TMS  R  TheraPlan Plus  Oncentra MasterPlan  3.1  D  PLATO RTS 2.62  D  PLATO BPS 14.2.6  D  SPOT-PRO 3.1-00  D	<u>Elekta</u>		3.1	R	✓	$\checkmark$	$\checkmark$		$\checkmark$
SPOT-PRO   SPOT-PRO		CMS XiO	4.3.1	D	$\checkmark$	$\checkmark$			
Nomos         Corvus         R         ✓ 3           Nucletron         Helax TMS         R         ✓           TheraPlan Plus         R         ✓           Oncentra MasterPlan         1.5         D         ✓           PLATO RTS         2.62         D         ✓           PLATO BPS         14.2.6         D         ✓           SPOT-PRO         3.1-00         D         ✓				R	$\checkmark$				
Nucletron  Helax TMS  TheraPlan Plus  Oncentra MasterPlan  3.1  PLATO RTS  2.62  PLATO BPS  14.2.6  SPOT-PRO  3.1-00  D		PrecisePlan	2.01	D	$\checkmark$	$\checkmark$			
TheraPlan Plus	Nomos	Corvus		R		<b>√</b> 3			
Plus Oncentra	Nucletron	Helax TMS		R	1	$\checkmark$			
MasterPlan  3.1  D  PLATO RTS 2.62  D  PLATO BPS 14.2.6  SPOT-PRO 3.1-00  D				R	$\checkmark$				
3.1 D			1.5	D	$\checkmark$	$\checkmark$			
PLATO BPS 14.2.6 <b>D</b> SPOT-PRO 3.1-00 <b>D</b>			3.1	D	$\checkmark$	$\checkmark$		$\checkmark$	
SPOT-PRO 3.1-00 <b>D</b> ✓		PLATO RTS	2.62	D	$\checkmark$				
<b>▼</b>		PLATO BPS	14.2.6	D				1	
		SPOT-PRO	3.1-00	D			1		
PerMedics Odyssey 4.8.02 D	<b>PerMedics</b>	Odyssey	4.8.02	D	1	1			1
Philips Pinnacle <sup>3</sup> R ✓ ✓	<b>Philips</b>	Pinnacle <sup>3</sup>		R	1	1			
Pinnacle <sup>3</sup> 8.0h $\mathbf{D}$ $\checkmark$		Pinnacle <sup>3</sup>	8.0h	D	1	1			

	AcqPlan	4.9	R	$\checkmark$				
<b>Prowess</b>	Panther	4.41	D	$\checkmark$	$\checkmark$	$\checkmark$		
RaySearch	RayStation	4.0.3.4	D	$\checkmark$	$\checkmark$			
Rosses Medical	Strata Suite CTPlan	4.0	R			✓		
<b>RTek</b>	PIPER	2.1.2	R			$\checkmark$		
<b>TomoTherapy</b>	Hi-ART	3.0	D		$\checkmark$			
<b>Varian</b>	BrachyVision	6.5 (Build 7.1.67)	D				$\checkmark$	
	Eclipse	7.1	D	$\checkmark$	$\checkmark$			$\checkmark$
	VariSeed	7.1	D			$\checkmark$		

Exchange formats:  $\mathbf{D} = \text{DICOM RT Objects}$   $\mathbf{R} = \text{RTOG Data Exchange Format}$ 

## Notes:

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<sup>&</sup>lt;sup>1</sup> Earliest version of treatment planning system with tested compliance.
<sup>2</sup> Please contact <u>BrainLAB</u> for data export procedure.
<sup>3</sup> Requires use of <u>work-around</u> for ATC-compliant submission.