Enterprise Scheduling Integration Profile
What does it do

• It is involved in exchange of following information between HIS (EMR, Order Placer) and RO TMS.
  – Treatment schedule
  – Treatment Order
  – Treatment result

• The emphasis for this profile is on improving schedule and procedure coordination between the Radiation Oncology department and the rest of the clinical enterprise.
How does it work

• HIS (OP) issues RT order to start treatment.
• RT department determines the RT region (ROI etc) and schedule of treatment and is stored in RO TMS.
• This is notified back to the HIS (OP).
• Other departments (Out patient dept, wards) can see progress of RT treatment and if daily delivery has been completed or not.
IHE Radiation Oncology Enterprise Schedule Integration Profiles

Order Placer

Create Radiotherapy Parent Order [RO-ESI-01] →
Cancel Radiotherapy Parent Order [RO-ESI-07] →

← Create Radiotherapy Delivery Child Order [RO-ESI-02]
← Modify Radiotherapy Delivery Child Order [RO-ESI-03]
← Cancel Radiotherapy Delivery Child Order [RO-ESI-04]
← Update Radiotherapy Delivery Child Order Status [RO-ESI-05]
← Update Radiotherapy Parent Order Status [RO-ESI-06]
← Unsolicited Create Radiotherapy Parent Order [RO-ESI-08]
← Unsolicited Cancel Radiotherapy Parent Order [RO-ESI-09]

Treatment Placer Management System
How does it work

• Patient demographics, Clinical history (disease name, irradiation region etc) and treatment information (symptoms) are sent to the TMS from HIS.
• Schedule changed are notified to the HIS from RO TMS.
• A notice is sent to the supervising doctor intimating the end of RT.