

Forwarding Model for ROADMs

- Match/action abstraction for ROADMs
 - ROADM has three functions: add, drop, and forward
 - Match is really about wavelength provisioning



Add

Match	Packet port and traffic type
Action	Transponder uses lambda and output to optical port

Forwarding

Match	Optical port and lambda
Action	Output to optical port (easy to extend when considering regenerators)

Drop

Match	Optical port and lambda
Action	Transponder uses lambda and output to packet port