Ottawa Carleton Institute for Electrical and Computer Engineering

                School of Electrical Engineering and Computer Science

                                     University of Ottawa

                                          ELG-5383

Survivable Optical Networks

Assignment #3                                                                         Due March 30th, 2015

Use WACOSOD simulation tool to compare and analyze the performance of

the Wavelength-Convertible (WC) Optical Switch Architectures ( Dedicated,

per node, per link, electronic, and half clear) in terms of the blocking probability

gain and cost gain in WDM wavelength-routed optical networks. Use WACOSOD

to find the best degree of wavelength conversion (X%) for both the NSF network

and the EON, under the First-fit Wavelength Assignment scheme with the

traffic sorted in the increasing order of traffic demands as well as with the

decreasing order of traffic demands.