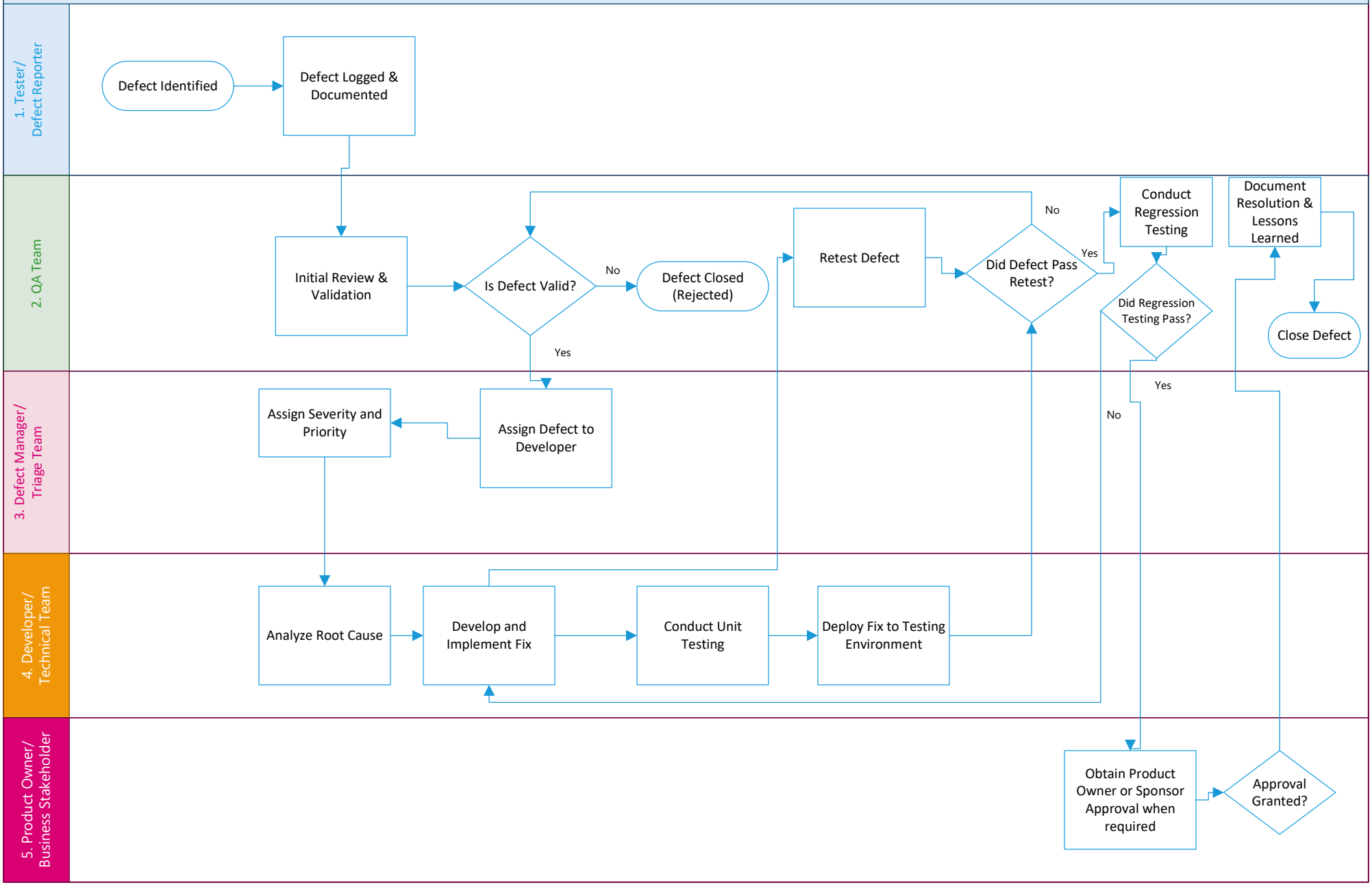Defect Management