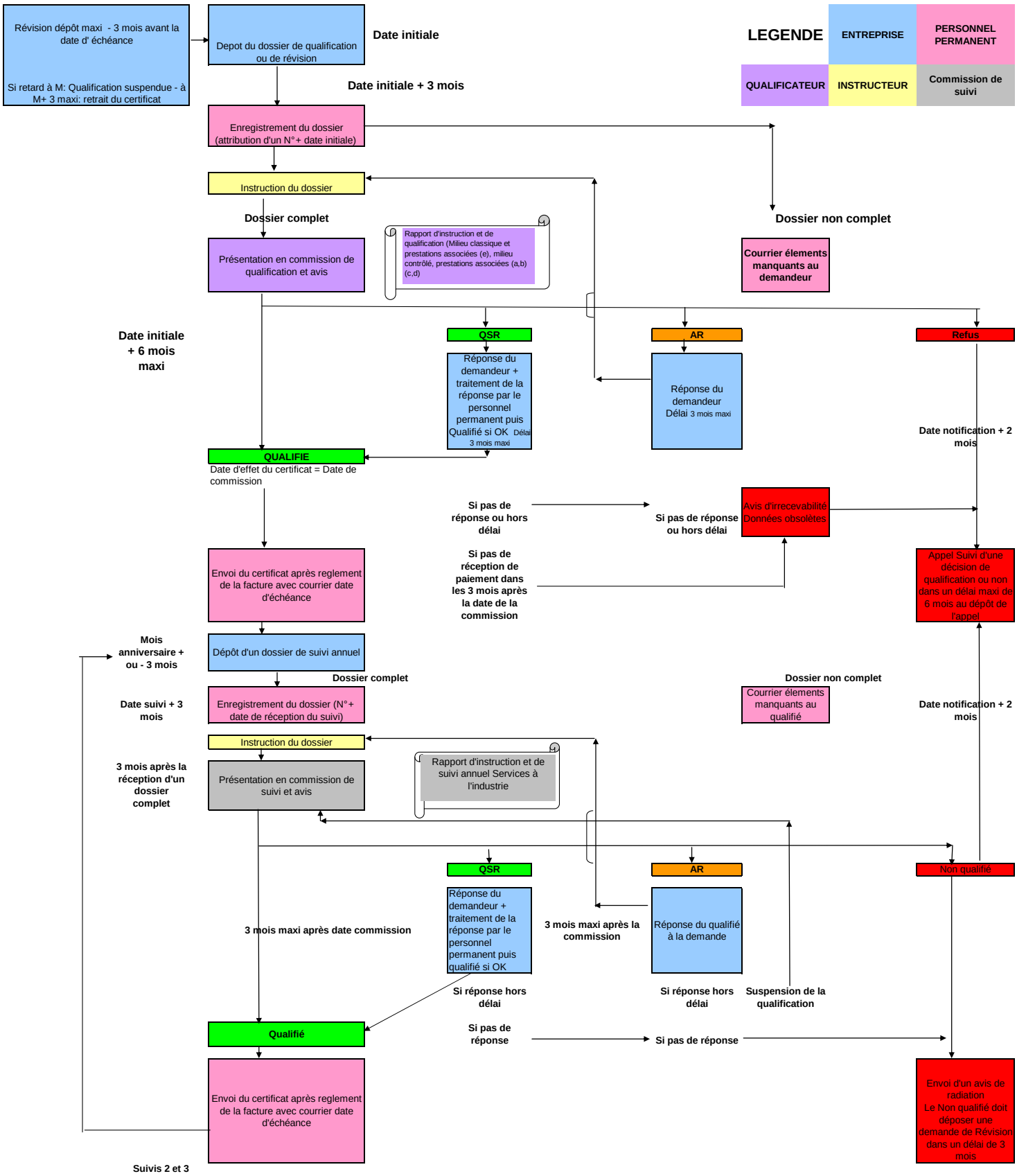LOGIGRAMME DE QUALIFICATION