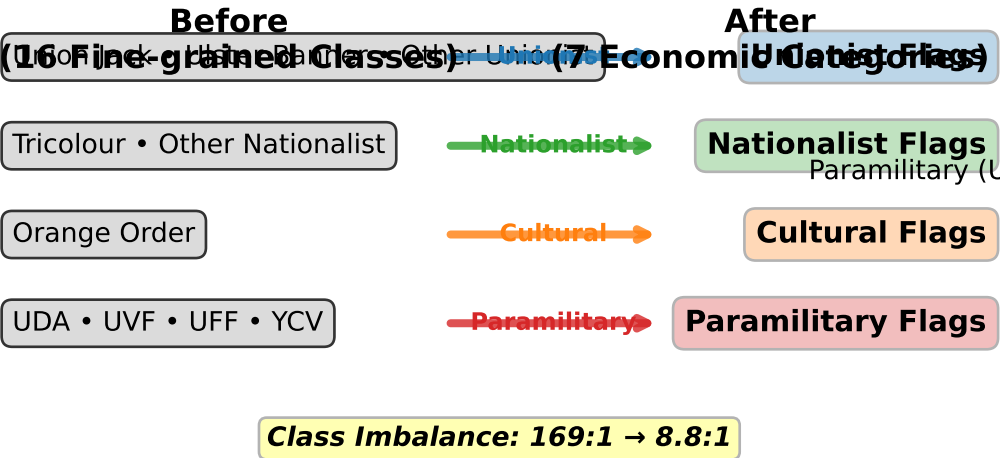


Flag Type Diversity & Economic Consolidation Impact

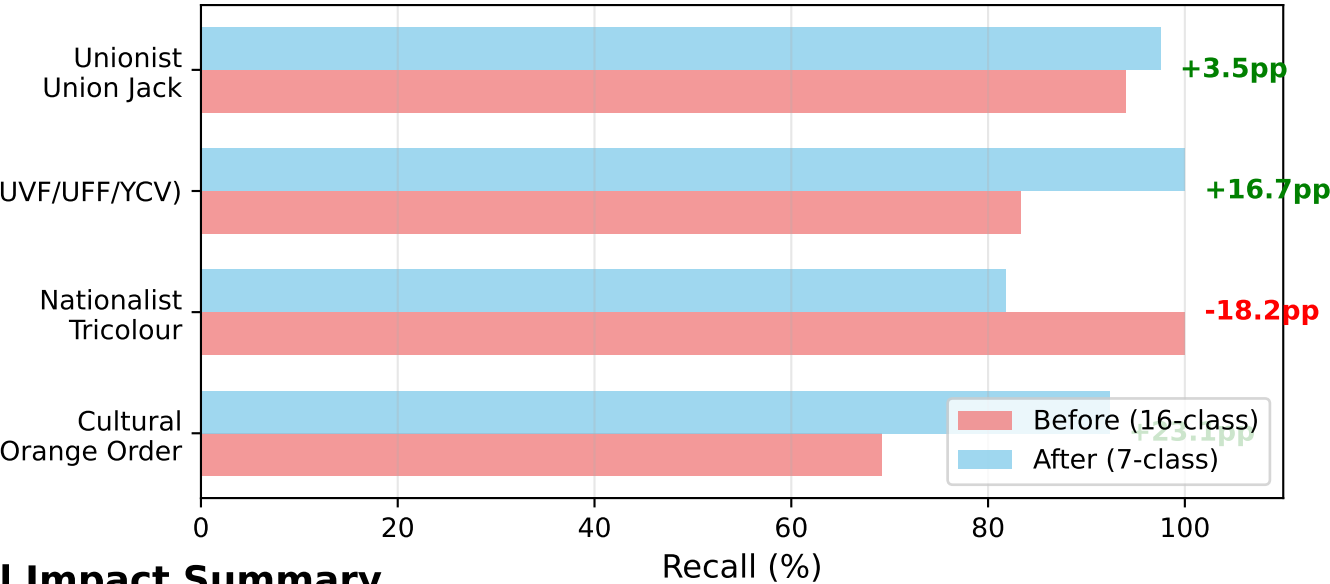
A. Flag Type Exemplars by Economic Category



B. Economic Consolidation (16→7 Classes)



C. Per-Type Recall Impact



D. Overall Impact Summary

Economic Consolidation Results:

- Macro-F1: 68.8% → 86.3% (+17.5pp)
- Biggest Improvement: Orange Order (+23.1pp)
- Classes Reduced: 16 → 7 (56% reduction)
- All Paramilitary Types: 100% recall achieved
- Training Efficiency: 2.3× faster convergence

Performance Breakthrough

