

ARX

MTE User Manual - Classification Schemes













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ARX

ARX is a modification of AustRoads94. It removes class 12, moves all other classes up by one, and inserts a cycle class as class 1.

- **Units:** Metric (m)
- **Car class:** 2
- **Unclassifiable vehicle class:** 13

Axles	Groups	Description	Class		Parameters	Dominant Vehicle	Aggregate
2	1 or 2	Very Short - Bicycle or Motorcycle	MC	1	$d(1) < 1.7\text{m} \ \& \ \text{axles}=2$		1 (Light)
2	1 or 2	Short - Sedan, Wagon, 4WD, Utility, Light Van	SV	2	$d(1) \geq 1.7\text{m}, \ d(1) \leq 3.2\text{m} \ \& \ \text{axles}=2$		
3, 4 or 5	3	Short Towing - Trailer, Caravan, Boat, etc.	SVT	3	$\text{groups}=3, \ d(1) \geq 2.1\text{m}, \ d(1) \leq 3.2\text{m}, \ d(2) \geq 2.1\text{m} \ \& \ \text{axles}=3,4,5$		
2	2	Two axle truck or Bus	TB2	4	$d(1) > 3.2\text{m} \ \& \ \text{axles}=2$		2 (Medium)
3	2	Three axle truck or Bus	TB3	5	$\text{axles}=3 \ \& \ \text{groups}=2$		
>3	2	Four axle truck	T4	6	$\text{axles} > 3 \ \& \ \text{groups}=2$		
3	3	Three axle articulated vehicle or Rigid vehicle and trailer	ART3	7	$d(1) > 3.2\text{m}, \ \text{axles}=3 \ \& \ \text{groups}=3$		3 (Heavy)
4	>2	Four axle articulated vehicle or Rigid vehicle and trailer	ART4	8	$d(2) < 2.1\text{m} \ \text{or} \ d(1) < 2.1\text{m} \ \text{or} \ d(1) > 3.2\text{m} \ \& \ \text{axles} = 4 \ \& \ \text{groups} > 2$		
5	>2	Five axle articulated vehicle or Rigid vehicle and trailer	ART5	9	$d(2) < 2.1\text{m} \ \text{or} \ d(1) < 2.1\text{m} \ \text{or} \ d(1) > 3.2\text{m} \ \& \ \text{axles}=5 \ \& \ \text{groups} > 2$		
>=6	>2	Six (or more) axle articulated vehicle or Rigid vehicle and trailer	ART6	10	$\text{axles}=6 \ \& \ \text{groups} > 2 \ \text{or} \ \text{axles} > 6 \ \& \ \text{groups}=3$		
>6	4	B-Double or Heavy truck and trailer	BD	11	$\text{groups}=4 \ \& \ \text{axles} > 6$		
>6	>=5	Double or triple road train or Heavy truck and two (or more) trailers	DRT	12	$\text{groups} \geq 5 \ \& \ \text{axles} > 6$		

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