














Item	Source	original EU Directive	IMMA Proposal		EU Comments on IMMA proposal	Secretariat comment on EU comment
<b>No.</b>	<b>Contents</b>	<b>93/29/EEC</b>	<b>GTR</b>			
<b>Subject</b>	<b>Contents</b>	Requirements concerning the component type-approval of two or three-wheel vehicles in respect of the identification of their controls, tell-tales and indicators.	Motorcycle Controls, Displays and Symbols			
<b>Vehicle Application</b>	<b>Source</b>					
	<b>Contents</b>	Two or three wheeled motor vehicles.	Motorcycles used on Public Roads	This is to be addressed at a later date, once the category definitions are further agreed upon	All Category 3 vehicles (i.e. two-wheeled moped, three-wheeled moped, two-wheeled motorcycle, tricycle, motorcycle with side car) as well as quadricycles.	Disagree as category L6 and L7 will depend on horizontal EU regulation at moment on hold
<b>General Requirements</b>	<b>Source</b>					
	<b>Contents</b>		Controls used during normal operations shall be within the operator's reach while in the normal operating position. Controls on the handlebars shall be placed so that when used, the operator's hand does not leave the respective handgrip. Symbols or displays for controls viewed by the operator while in the normal operating position shall stand out clearly against the background, either bright against dark or dark against bright. Symbols must be placed on or adjacent to the control or display to be identified. Where this is not possible, the symbol and the control or display must be joined by a		After first sentence add: "Specifically controls that are operated during normal vehicle operation (including starting and after starting operations) while running, driving and riding, shall be within reach as well as visible to the operator." <i>This is to avoid the choke/enricher control and other controls to be hidden underneath for instance the tank and only being able to operate it by tactile recognition. Switches and controls that are operated before startup and after shutdown, or that are not operated during normal operation (eg. fuel tank supply valve switching to reserve, ignition on/off) can remain to be tucked away somewhere.</i>	Adds "visibility" to the requirement. Is anyone aware where this could come from?

Item	Source	original EU Directive	IMMA Proposal		EU Comments on IMMA proposal	Secretariat comment on EU comment
No.	Contents	93/29/EEC	GTR			
					Change: "Controls on the handlebars."; to read: "When controls are placed on a handlebar they "	Editorial comment
					Change: "normal operating position" to: "normal operating position with the vehicle pointing straight ahead, shall be clearly visible and"	adds "visibility" and direction to the requirement.
					Add: "The orientation of symbols must correspond to that as indicated in the figures of this Regulation and/or ISO standard and must be perceptually upright from the operator's point of view."	addition to requirement
	Source	2.1.				
	Contents	The controls, tell-tales and indicators referred to in section 2.1.5. shall be identified in accordance with the following requirements when they are fitted to a vehicle.				
	Source	2.1.1.				
	Contents	These symbols shall stand out clearly against the background, either bright against dark or dark against bright				
	Source	2.1.2.				
	Contents	The symbols shall be placed on the control or control tell-tale to be identified or in immediate proximity thereof. Where this is not possible the symbol and the control, or tell-tale, shall be joined by a continuous dash				



Item	Source	original EU Directive	IMMA Proposal		EU Comments on IMMA proposal	Secretariat comment on EU comment
No.	Contents	93/29/EEC	GTR			
<b>Colour of Tell-Tale Lights</b>	Source	2.1.4.				
	Contents	Red: Danger	Red: Danger		The word "Amber" should in all cases be changed into "Yellow".	Why change from Amber to Yellow?
		Amber: Caution	Amber: Caution			
		Green: Safety	Green: Safe or In Use Blue: Driving or upper headlight beam only		Also, wording should be added to underline the fact that inappropriate colours may not be applied (eg. red for cruise control engagement, red for ABS malfunction)	suggest that this addition is "redundant"
		Blue: Driving beam only				

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<b>No.</b>	<b>Contents</b>	<b>93/29/EEC</b>	<b>GTR</b>			
<b>Symbols</b>		Harmonized	If a symbol is used, it's harmonized with ISO 6727		In the absence of suitable symbols in ISO 6727, the standard ISO 2575 should be referred to as well.	OK
<b>Supplemental Engine Stop Control</b>	<b>Source</b>	2.1.5., Fig. 13, Fig. 14				
	<b>Contents</b>	Diesel engine ignition or cut-off control in 'out of use' position	Located on the right handlebar, represented by given words and/or symbols for "off " and "on" or "run" positions.		It is unacceptable to use "given words" only instead of the use of symbols	Q? Why did SCH agree to use of words as well as symbols?





Item	Source	original EU Directive	IMMA Proposal		EU Comments on IMMA proposal	Secretariat comment on EU comment
No.	Contents	93/29/EEC	GTR			
		Diesel engine ignition or cut-off control in the 'operating' position				
	Source	Fig. 13 & Fig. 14				
out of use	Symbol	Off  Run 	Off  On or Run 			
	Colour of tell-tale	-----				
<b>Ignition Switch</b>	Source	-----				
	Contents	-----	Definition:			
			Ignition Switch - The device that enables the engine to run, and may also allow operation of other electrical systems on a vehicle.		This item is not an issue for us	
			For a rotary control, the "on" position shall be clockwise from the "off" position			
	Symbol	-----				
	Colour of tell-tale	-----				
<b>Electric Starter</b>	Source	2.1.5.				
	Contents	Represented by a given symbol.	Represented by a given symbol.			
	Source	Fig. 19				
	Symbol					
	Colour of tell-tale	-----				
<b>Manual Choke</b>	Source	2.1.5.				
	Contents	Represented by a given symbol.	Represented either by the symbol on the control or an optional amber tell-tale with the symbol			


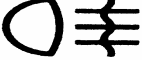



Item	Source	original EU Directive	IMMA Proposal		EU Comments on IMMA proposal	Secretariat comment on EU comment
No.	Contents	93/29/EEC	GTR			
	Source	Fig. 5				
	Symbol					
	Colour of tell-tale	Amber	Amber			
Neutral Indicator	Source	2.1.5.				
	Contents	Represented by a given symbol.	Represented by a given symbol, green tell-tale light.			
	Source	Fig. 18				
	Symbol					
	Colour of tell-tale	Green	Green			
Fuel Tank Shutoff Valve	Source	-----				
Manual	Contents	-----	If so equipped, the "on" position shall be separated from the "off" position by 90 degrees of rotation. If equipped with a "reserve" position, it shall be separated from the "on" position by 180 degrees of rotation and the operator shall be able to switch to the "reserve" position while in the normal driving position. Optional: the switch may be represented by the words "On" "Off" and "Reserve" (or "Res" or "Res."), or by the given symbols.		It is unacceptable to use "given words" only instead of the use of symbols., maybe a note can be included to clarify that the symbol does not have to be visible to the operator during driving and riding.	This is a consequence of earlier requirement on visibility or not?
	Symbol	-----	Off  On  Reserve or Res. or Res 			
	Colour of tell-tale	-----				





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<b>No.</b>	<b>Contents</b>	<b>93/29/EEC</b>	<b>GTR</b>			
<b>Automatic</b>	<b>Contents</b>		Fuel shut-off control optional for systems in which the fuel flow is stopped when the engine is switched off. If equipped with a control, the symbols and control positions shall be the same as identified for Manual Fuel Shut-Off Control. No "Off" position is required. The control may include a "Prime" position which shall not conflict with any other defined position and shall be marked with the "PRI":	<b>There is currently no symbol for the "Prime" function. A new appropriate symbol could be discussed as a future work item, eg in ISO, etc.</b>	We do not understand this item. In any case use of words should be avoided at all times.	Is automatic fuel shut-off still applicable? If yes, suggest the long term aim would be to define a new symbol for this
<b>Speedometer</b>	<b>Source</b>	-----				
	<b>Contents</b>	-----	The speedometer display must be located within the direct field of view of the driver and shall be legible day or night.		This requirement may be incorporated, but is not necessary for us.	
	<b>Symbol</b>	-----				
	<b>Colour of tell-tale</b>	-----				
<b>Odometer</b>	<b>Source</b>					









Item	Source	original EU Directive	IMMA Proposal		EU Comments on IMMA proposal	Secretariat comment on EU comment
No.	Contents	93/29/EEC	GTR			
	Contents					
	Symbol					
	Colour of tell-tale					
Horn	Source	2.1.5.				
	Contents	Represented by a given symbol.	Represented by a given symbol, located on the left handlebar for vehicles with foot operated gear selection operated independently of the clutch and on the right handlebar for vehicles with gear selection operated in conjunction with the clutch.		We would suggest rewording: "◆ located on the left handlebar ◆" into "◆ when located on a handlebar, it shall be on the left-hand side◆" etc. etc. for similarly worded phrases.	Is clutch/gear change on the left handlebar still applicable? If yes then we need to inform EU of the existence of this .
	Source	Fig. 6				
	Symbol					
	Colour of tell-tale	-----				
Headlamps	Source	2.1.3.				
		2.1.5.				









Item	Source	original EU Directive	IMMA Proposal		EU Comments on IMMA proposal	Secretariat comment on EU comment
<b>No.</b>	<b>Contents</b>	<b>93/29/EEC</b>	<b>GTR</b>			
	<b>Contents</b>	Main beam headlights shall be represented by parallel horizontal rays of light and dipped beam headlamps by parallel rays of light angled downwards.	Located on the left handlebar for vehicles with gear selection operated independently of a hand operated clutch, on right handlebar for vehicles with gear selection is operated in conjunction with the hand operated clutch. Represented by given symbols for driving beam headlamp and passing beam headlamp. An indicator lamp shall show when the driving beam is in use.		We would suggest rewording: "◆ located on the left handlebar ◆" into "◆ when located on a handlebar, it shall be on the left-hand side◆" etc. etc. for simillarly worded phrases.	
	<b>Source</b>	-----				
	<b>Contents</b>	-----				
	<b>Source</b>	Fig. 1 & Fig. 2.				
	<b>Symbol</b>	lights Main beam  Dipped beam 	Driving or High Beam  Passing and Low Beam 			
	<b>Colour of tell-tale</b>	Blue (Main beam)	Driving or High Beam: Blue.			
		Green (Dipped beam)	Optional: Passing or Low Beam: Green.			
<b>Optical Warning Device</b>	<b>Source</b>	-----				
	<b>Contents</b>	-----	If so equipped, the control for this device shall be located on the same handlebar as the vehicle Driving Beam/Passing Beam Switch.		No comment.	What is this device? Is this still applicable?
	<b>Colour of tell-tale</b>	-----				
<b>Fog Lamps</b>	<b>Source</b>	2.1.5.				

Item	Source	original EU Directive	IMMA Proposal		EU Comments on IMMA proposal	Secretariat comment on EU comment
No.	Contents	93/29/EEC	GTR			
	Contents	Represented by a given symbols for front and rear fog lamps.	Represented by given symbols for front and rear fog lamps.		It is not acceptable for us to use only one symbol when one control can be used for both functions. Both symbols must be shown. Additionally, it has to be possible to switch the front fog lamp on independently from the rear fog lamp. It is not acceptable to use only one tell-tale for both functions and the colours must be	Are there cases of one control for both front and rear fog lamps? If so, is only the front foglamp symbol used?
		If one control is used for both, front fog lamp symbol is used.	If one control is used for both, front fog lamp symbol is used.			
	Source	Fig. 10 & Fig. 11				
	Symbol	Front  Rear 	Front  Rear 			
	Colour of tell-tale	Front: Green	Front: Green.			
		Rear: Amber	Rear: Amber.			
			If one lamp is used for both: Green.			
Turn Signal	Source	2.1.5.				
	Contents	Represented by given symbols.	Represented by given symbols. The left and right arrows on switches or tell-tales may be separated. Switch is to be located on the handlebar in clear view from the operator's seat and shall be marked clearly. The indicator lamp must be located within the clear view of the operator when the vehicle is in operation and may either flash to show that a turn signal is engaged or separate lamps may flash to show which side of the vehicle is being worked. If there are separate tell-tales, or controls, for the left and right direction indicators, the two arrows may also be used separately.		Delete the sentence "Switch is to  clearly" as it is repetitive. Our suggestion is to state "the control(s) shall be able to being operated without the need for the operator to take his hands off the steering control."	New requirement for agreement
	Source	Fig. 3				

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No.	Contents	93/29/EEC	GTR			
	Symbol					
	Colour of tell-tale	Green	Green			
<b>Hazard Warning Light</b>	Source	2.1.5.				
	Contents	Two possibilities:	Represented by either the turn signal indicator lamp(s) flashing simultaneously, or by a given triangle symbol.		I have seen vehicles with one single tell-tale for both left and right direction indicators which is subsequently also used for hazard warning (i.e. no distinction). Our suggestion would be: "Represented by either the simultaneous flashing of the left and right arrow when these consist of separate tell-tales or represented by given	Is the EU suggestion acceptable?
		- identifying signal placed alongside				
		or				
		- simultaneous operation of direction indicators (both arrows in Fig. 3)				
	Source	Fig. 4				
	Symbol	1. Simultaneous operation of both arrows of Turn signal or 2)	1. If the tell-tale for a turn signal is the separate, individual arrow (not both arrows), the hazard warning tell-tale may be the simultaneous operation of both turn signal tell-tales or 2)			
						
	Colour of tell-tale	1 Green	1. Green			
		2. Red	2. Red			
<b>Lighting Control Switch</b>	Source	2.1.5.				

Item	Source	original EU Directive	IMMA Proposal		EU Comments on IMMA proposal	Secretariat comment on EU comment
No.	Contents	93/29/EEC	GTR			
	Contents	Can be combined with ignition control.	Can be combined with ignition control. Represented by the given symbols for position lamps, master lamp switch and parking lamp but if all lamps are automatically lit when vehicle is in operation, no position or master lamp switch symbol need appear. Clockwise operation if rotary switch, position lights then headlights.		If the ignition control is the same as the previously mentioned ignition switch, identical wording should be used for clarity.	EU text missing the text on rotary switch
		Represented by given symbols.			"The position lamps and/or master lighting control shall be identified by the given symbols, however, if the front and rear position lamps, passing beam (i.e. low beam) as well as registration plate illumination light up automatically when the vehicle is in operation, the symbols for position lamps and master lighting switch	
					"The parking lamps control shall be identified by the given symbol".	Suggest editorial change to "A parking lamp control shall be identified by the given symbol"
	Source symbol	Fig. 15 & 16 & 17				
		Lighting SW 	Position lamp 			
		General Lighting SW 	Master Lamp switch 			
		Parking Lamp 	Parking Lamp 			
	Colour of tell-tale	Position: Green Master Lamp: Green Parking Lamp: Green	Tell-Tale Optional: Green			
Fuel Indicator	Source	2.1.5.				
	Contents	Represented by a given symbol.	(Indicator optional) Represented by a given symbol.			
	Source Symbol	Fig. 7 				

Item	Source	original EU Directive	IMMA Proposal		EU Comments on IMMA proposal	Secretariat comment on EU comment
No.	Contents	93/29/EEC	GTR			
	Colour of tell-tale	Amber	If so equipped: Amber			
<b>Engine Cooling Temp</b>	Source	2.1.5.				
	Contents	Represented by a given symbol.	(Indicator Optional) Represented by a given symbol.		Should be reworded into "Engine Coolant Temperature"	OK
	Source	Fig. 8				
	Symbol					
	Colour of tell-tale	Red	If so equipped: Red			
<b>Battery Charging</b>	Source	2.1.5.				
	Contents	Represented by a given symbol.	(Indicator Optional) Represented by a given symbol.			
	Source	Fig. 9				
	Symbol					
	Colour of tell-tale	Red	If so equipped: Red			
<b>Engine Oil</b>	Source	2.1.5.				
	Contents	Represented by a given symbol.	Represented by a given symbol.			
	Source	Fig. 10				
	Symbol				If so equipped should be added.	editorial OK
	Colour of tell-tale	Red	Red			
<b>Speed Control</b>	Source	-----				
	Contents	-----	Rotating handgrip on the right handlebar. Anticlockwise manipulation increases speed. The control shall be self-closing to idle in a clockwise direction after release of the hand unless a speed control device is activated.			




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<b>No.</b>	<b>Contents</b>	<b>93/29/EEC</b>	<b>GTR</b>			
<b>Front Wheel Brake</b>	<b>Source</b>	-----				
	<b>Contents</b>	-----	Hand lever located on the right handlebar. However, in the case of vehicles equipped with a combined brake system, the front wheel brake may operate simultaneously with the rear wheel brake when the combined brake system is activated.			
<b>Rear Wheel Brake</b>	<b>Source</b>	-----				
<b>Foot Rear Wheel Brake Control</b>	<b>Contents</b>	-----	For L1 - L5 category vehicles EXCEPT L1 category vehicles with pedals usable for motive power [mopeds with bicycle type pedals].			
			A foot control located on the right side of the frame.			
			Not allowed for L1 category vehicles with pedals usable for motive power.			
	<b>Source</b>	-----				
<b>Hand Rear Wheel Brake Control</b>	<b>Contents</b>	-----	For L1 - L5 category vehicles WITHOUT hand operated clutch devices:			
			A hand control on the left handlebar.			
			Not allowed for vehicles with hand operated clutch.			
	<b>Source</b>	-----				
	<b>Contents</b>	-----				





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No.	Contents	93/29/EEC	GTR			
	Source	-----				
	Contents	-----	For L1 - L5 category vehicles equipped with combined braking systems:			
			The rear wheel brake may operate simultaneously with the front wheel brake when the combined brake system is activated.			
<b>Parking Brake</b>	Source	-----				
	Contents	-----	(Optional for three wheeled motorcycles or sidecar equipped motorcycles) Hand or foot control with no special requirements.			
<b>Clutch</b>	Source	-----				
	Contents	-----	If so equipped, a control on the left handlebar, forward. Shall not prohibit the use of devices on the left side of the vehicle that combine operations of a clutch and gear selector.	The IMMA proposal reflects the current and forward looking developments in this area.		
				With the various new technologies being developed the IMMA proposal is intended to be less design restrictive while still meeting the intent of each of the current applicable regulations.		
<b>Hand Levers</b>	Source	-----				

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<b>No.</b>	<b>Contents</b>	<b>93/29/EEC</b>	<b>GTR</b>			
	<b>Contents</b>	-----	To be left out of this document and addressed as necessary with the appropriate systems.	ECE 60 items covering ergonomic issues (Hand Levers, Foot Rests, Foot Levers, Rocker Arms and Pedals) are not included in this document. It is the belief of IMMA that as these items are fairly design restrictive, they should be removed. As technology evolves, their designs should be governed by market forces and enable targeting specific market segments based on ergonomic efficiencies, or be included in specific	Agreed.[ with IMMA comments]	
			[These items can be identified by the shading in the Item and Source columns of this document]		[These items can be identified by the shading in the Item and Source columns of this document]	
<b>Footrest</b>	<b>Source</b>	-----				
	<b>Contents</b>	-----			Agreed.[ with IMMA comments]	
<b>Foot Lever</b>	<b>Source</b>	-----				
	<b>Contents</b>	-----			Agreed.[ with IMMA comments]	
<b>Rocker Arms</b>	<b>Source</b>	-----				
	<b>Contents</b>	-----			Agreed.[ with IMMA comments]	
<b>Pedals</b>	<b>Source</b>	-----				
	<b>Contents</b>	-----			Agreed.[ with IMMA comments]	
<b>Gear Selection</b>	<b>Source</b>	-----				



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<b>No.</b>	<b>Contents</b>	<b>93/29/EEC</b>	<b>GTR</b>			
<b>Foot Selector Manual Control</b>	<b>Contents</b>	-----	If the vehicle is equipped with a manual clutch, and gear selection is performed independently from the clutch, the gear selector is a foot lever or rocker arm on the left side of the frame. Moving the forward part of the foot lever or rocker arm shall progressively select the gears: upward movement of the forward part for shifting to a higher gear position and downward movement for shifting to a lower gear position. A separate, positive "neutral" position shall be provided in either the first or second position in the gear selection order (i.e: 1-N-2-3-4, or N-1-2-3-4,). For [PTW's less than 200cc] vehicles, transmissions with the following shift patterns may be  - Rotary pattern (i.e: N-1-2-3-4-5-N-1.) . Reverse pattern, where moving the forward part of the foot lever or rocker arm shall progressively select the gears: upward movement of the forward part for shifting to a lower gear position and downward movement for shifting to a higher gear position.		We suggest rewording: "Foot Operated Gear Selector"	OK but question arises whether to use "selector" v "control"
<b>Hand Selector Manual Control</b>	<b>Contents</b>	-----	If the vehicle is equipped with a manual clutch, and gear selection is operated independently from the clutch, the gear selector shall be a control located on the left handlebar. If the operation of the control is through rotation of the handgrip, the anticlockwise rotation shall progressively select gears giving an increased forward speed and conversely for a reduced forward speed. A separate, positive "neutral" position shall be provided in either the first or second position in the gear selection order (i.e: 1-N-2-3-4... or N-1-2-3-4...).		We suggest rewording: "Manually Operated Gear Selector"	OK but question arises whether to use "selector" v "control"
	<b>Source</b>	-----				

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<b>No.</b>	<b>Contents</b>	<b>93/29/EEC</b>	<b>GTR</b>			
<b>Automatic or Semi-automatic Gear Selector Control</b>	<b>Contents</b>	-----	If the vehicle is equipped with an automatic or semi-automatic transmission and/or gearbox, the control (if any) used to engage the transmission or select the gears shall be on the left side of the frame or on the			
<b>Brake</b>	<b>Source</b>					
	<b>Contents</b>		Non ABS system, optional. ABS system: Required.		We agree to include the ABS tell-tale here (Yellow)	
	<b>Symbol</b>					
	<b>Colour of tell-tale</b>		amber		Yellow	
<b>Brake failure</b>	<b>Source</b>					
	<b>Contents</b>					
	<b>Symbol</b>					OK symbol from ISO
	<b>Colour of tell-tale</b>				red	
<b>Emissions related Malfunction Indicator Lamp (Yellow)</b>	<b>Source</b>					
	<b>Contents</b>				This (or any similar) symbol shall not be used to convey non-emissions related failures or operation states.	
	<b>Symbol</b>					OK symbol from ISO
	<b>Colour of tell-tale</b>				yellow	
<b>oil temperature</b>	<b>Source</b>					
	<b>Contents</b>				"If - ___ - ___ fitted, it shall be identified by the given symbol:"	

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No.	Contents	93/29/EEC	GTR			
	Symbol					OK symbol from ISO
	Colour of tell-tale				red	
vehicle speed control	Source					
	Contents					
	Symbol					where does this symbol come from and is it in use by manufacturers?
	Colour of tell-tale				yellow/green	
tyre pressure	Source					
	Contents					
	Symbol					OK symbol from ISO
	Colour of tell-tale				yellow/red	
service reminder	Source					
	Contents					
	Symbol					Is this symbol in use by manufacturers?
	Colour of tell-tale				Yellow	
ABS	Source					
	Contents					

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No.	Contents	93/29/EEC	GTR			
	Symbol					
	Colour of tell-tale					
<b>Brake</b>	Source					
	Contents					
	Symbol					
	Colour of tell-tale					
<b>Stands</b>	Source					
	Contents					
<b>DRL</b>	Source					
	Contents					
	Symbol					
	Colour of tell-tale					



FAMI comment on EU comment	Indian comments on 2006/74	FAMI Comments on Indian comments	CMVSS	Canadian comments	IMMA agreement as per 23/02/10
	No comments, subject to correction, if need be, based on the decision of Vehicle application.				
				-1	
Disagree for introduction for quadricycles. Only L1 and L3	India suggests that categories 3-1, 3-2, 3-3, 3-4 and 3-5 as defined in SR.1 may be included in the scope. India understand that the base document, summary of which is tabulated do not cover 3-wheeled vehicle (3-2 and 3-5). India considers inclusion of 3 wheeled vehicles (with handle bar or steering wheel) in the GTR as India and developing countries have 3 wheeled vehicles in good quantities. Moreover, there are 3 wheelers operating on different fuels requiring additional tell tales. If it is agreed to extend the scope for 3	L1 (3-1) and L3 (3-3) only will be included in the scope. We would like to create GTR at an early date and revise the ECE60. If L2 (3-2), L4 (3-4), and L5 (3-5) are included, new standards that are not required by L1 and L3, which are in the scope of ECE R60, become required. Moreover, L2 (3-2), L4 (3-4), and L5 (3-5) include vehicles equipped with a round steering wheel and those with a chassis, and their consistency with 4-wheeled vehicles such as M1 needs to be taken into account in particular.	Every motorcycle, except those designed and sold exclusively for use by law enforcement agencies, shall conform to the requirements of Technical Standards Document No. 123, Motorcycle Controls and Displays (TSD 123), as amended from time to time	This is to be addressed at a later date, once the category definitions are further agreed upon. For IMMA comments suggest that Motorcycle used on Public Roads should be deleted and replaced by "Category 3 vehicle"	Only 3-3 would be covered, agree with Category 3 vehicles
What does it means as added "visibility ?	India suggest that, the sentence in IMMA proposal, "Symbols or displays for controls viewed by the operator while in the normal operating position shall stand out clearly against the background, either bright against dark or dark against bright" may be replaced by "Symbols on controls and tell-tales shall have a good contrast with their background". <i>This is as per ISO.</i>	We basically agree with India's suggestion to adopt the idea of ISO. Meanwhile, we need to confirm India with the sentence which will replace the current one			agree with indian comments to use correct ISO text

FAMI comment on EU comment	Indian comments on 2006/74	FAMI Comments on Indian comments	CMVSS	Canadian comments	IMMA agreement as per 23/02/10
	India has no comments.				
What does it means as added "visibility ?					
			S.5.2.2		
			If an item of equipment listed in Table 2, Column 1, is provided, the display for such item shall be visible to a seated operator under daylight conditions, shall illuminate as specified in Column 2, and shall operate as specified in		
			(8) and (9)		

FAMI comment on EU comment	Indian comments on 2006/74	FAMI Comments on Indian comments	CMVSS	Canadian comments	IMMA agreement as per 23/02/10
			<p>The words and abbreviations that must be displayed under this section shall be displayed in both official languages. However, if there is insufficient space to display the words or abbreviations identifying the ignition, tachometer or fuel tank shutoff valve in both official languages in a readily visible manner, they may be displayed in one official language only. The symbols and abbreviations used to identify the controls and displays of a motorcycle shall be provided in writing in the English and French versions of the owner's manual.</p>	<p>The symbols and abbreviations used to identify the controls and displays of a motorcycle shall be provided in writing in the owner's manual, accompanied by a full explanation.</p>	<p>OK to add text from Canada</p>
<p>Why change from Amber to Yellow?</p>				<p>Red: Danger</p>	
<p>How about definition?</p>				<p>Yellow: Caution</p>	
				<p>Green: Safe or In Use</p>	
				<p>Blue: Headlamp upper beam only</p>	
			<p>source (5) (6)</p>		

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<p>OK (ISO 2575 is for Moped.)</p>	<p>Presume reference to ISO is only for information, since all symbols have been defined subsequently. <i>Also, symbols as per ISO 2575 should be referred.</i></p>	<p>We disagree with adoption of the ISO regulations for 4-wheeled vehicles. There is a strong possibility that it will cause confusion again considering the previous discussions on GTR for 4-wheeled vehicles at the UN.</p>	<p>Any control or display that is not listed in Table 3 to TSD 123 and for which no other identification requirements are specified in these Regulations shall, if identified, be identified by the corresponding symbol set out in International Standard ISO 6727, Road vehicles — Motorcycles — Symbols for controls, indicators and telltales, as amended from time to time. Any control or display for which a symbol is not specified in Table 3 to TSD 123 or in International Standard ISO 6727, Road vehicles — Motorcycles — Symbols for controls, indicators and telltales, as amended from time to time, may be identified by a symbol designed by the manufacturer in</p>	<p>If a symbol is used, it shall be harmonized with ISO 6727. Any control or display for which a symbol is not specified in this regulation or in International Standard ISO 6727, Road vehicles — Motorcycles — Symbols for controls, indicators and telltales, as amended from time to time, may be identified by a symbol designed by the manufacturer in compliance with the principles specified in ISO 6727. Allow words to be added to symbols.</p>	<p>maintain current symbols harmonised to ISO 6727, but no reference to ISO 6727 except in pre-amble</p>
<p>EU is right. It is strange to use "given words" only. Does US request it?</p> <p>IMMA's proposal is including US request.</p> <p>However, there are so many motorcycles which are only using "given words" ! It's like symbol for "Off", "On"</p>	<p>May be kept optional. <i>Supplemental Engine Stop Control is not mandatory in Europe, Japan, ECE regulation and India.</i></p>	<p>The idea of making it optional needs to be reviewed as a whole. We consider that we should make provisions for installing it.</p>	<p>Each motorcycle shall be equipped with it located on the right handlebar, represented by given symbols and the wording "off, run" and "marche", "arrêt".</p>	<p>Any control or display that is not listed in this regulation, if identified, be identified by the corresponding symbol set out in International Standard ISO 6727, Road vehicles — Motorcycles — Symbols for controls, indicators and telltales, as amended from time to time.</p>	



FAMI comment on EU comment	Indian comments on 2006/74	FAMI Comments on Indian comments	CMVSS	Canadian comments	IMMA agreement as per 23/02/10
				Located on the right handlebar, represented by given symbols for "off " and "on" or "run" positions. ( deleted "words and /or")	harmonise with ISO 6727.          enforcement at local/national level
			Off and Arrêt  Run and marche  Engin stop and Arrêt du moteur	Delete the words "on or run" and "off"	
	India has no comments.		Off or Arrêt - will appear when at appropriate position, counter clockwise from other positions (a mandatory		
			Ignition or contact		
	India has no comments.				
	India has no comments.				

FAMI comment on EU comment	Indian comments on 2006/74	FAMI Comments on Indian comments	CMVSS	Canadian comments	IMMA agreement as per 23/02/10
				yellow	
<p>EU is right. It is strabnge to use "given words" only. Does US request it?  IMMA's proposal is including US request.  However, there are so many motorcycles which are only using "given words" ! It's like symmbol for "Off", "On" and "Res".</p>	<p>Needs to be reviewed for 3 wheelers. In addition, it may be necessary to clarify that the fuel cut of system for the engine stop function in case of diesel engine should not be confused with fuel tank shut off control.</p>	<p>We would like to focus on L1 (3-1) and L3 (3-3) in the first step and review this issue in the next step.</p>		<p>Delete "If so equipped, the " and delete "Optional: the switch may be represented by the words "On" "Off" and "Reserve" (or "Res" or "Res."), or by the given symbols."</p>	<p>Suggest the text to read .."If so equipped, the switch may be represented by the words "On" "Off" and "Reserve" (or "Res" or "Res."), or by the given symbols"</p>

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There is no symbol of fuel shut-off control.				There is currently no symbol for the "Prime" function. A new appropriate symbol could be discussed as a future work item, eg in ISO, etc.	Delete text about Prime."The control may include a "Prime" position which shall not conflict with any other defined position and shall be marked with the "PRI";
	India has no comments.			Delet IMMA proposal and insert the following "Digital speedometers that switch between kilometres per hour and miles per hour are permitted if the unit of measure is identified. In the case of analogue speedometer displays, the scale on the speedometer shall increase in a clockwise direction. Major graduations and numerals shall appear at 10- or 20-kilometre-per-hour intervals and minor graduations at 5- or 10-kilometre-per-hour intervals. (Add similar requirements for country using ...)"	Canadian comments describing the operation. Maintain IMMA proposal
			-12		

FAMI comment on EU comment	Indian comments on 2006/74	FAMI Comments on Indian comments	CMVSS	Canadian comments	IMMA agreement as per 23/02/10
			An odometer or trip odometer installed on a motorcycle adjacent to the speedometer shall display distances in the same unit of measure as that of the predominant speedometer scale. If the odometer or trip odometer is not adjacent to the speedometer or switches between kilometres and miles independently of the speedometer, the odometer or trip odometer shall display distances in kilometres or miles and shall identify the unit of measure used.	Suggested text for "An odometer or trip odometer installed on a motorcycle adjacent to the speedometer shall display distances in the same unit of measure as that of the predominant speedometer scale. If the odometer or trip odometer is not adjacent to the speedometer or switches between kilometres and miles independently of the speedometer, the odometer or trip odometer shall display distances in kilometres or miles and shall identify the unit of measure used."	Reject addition of odometer not a requirement currently
no special comment (Existing not only in Europe but also in India as well)	<i>IMMA proposal is based on ECE. In Europe, Japan and India, location of the horn switch is permitted either on left or right side of the handle bar. It is suggested that the Horn control may be located on left side or right side of the handle bar.</i>	<i>The definition of the horn/headlamp location needs to be standardized. It should be avoided that the horn/headlamp may be located either on left or right side</i>		Add as an option "for vehicles with foot operated gear selection operated independently of the clutch and on the right handlebar for vehicles with gear selection operated in conjunction with the clutch."	not an option so maintain IMMA proposal, await comments from NHTSA

FAMI comment on EU comment	Indian comments on 2006/74	FAMI Comments on Indian comments	CMVSS	Canadian comments	IMMA agreement as per 23/02/10
	<i>IMMA proposal is based on ECE. In Europe, Japan and India, location of the headlamp switch is permitted either on left or right side of the handle bar. It is suggested that the Headlamp control may be located on left side or right side of the handle bar.</i>			<p>Located on the left handlebar</p> <p>Could be added as an option [ for vehicles with gear selection operated independently of a hand operated clutch, on right handlebar for vehicles with gear selection is operated in conjunction with the hand operated clutch. Represented by given symbols for driving beam headlamp and passing beam headlamp. An indicator lamp shall show when the driving beam is in use.]</p>	<p>maintain IMMA proposal await comments from NHTSA</p>
				<p>Suggest use of "upper" beam against driving beam ; "lower" beam against passing beam</p>	<p>check r48 and R53 and use wording for ece. Wording uses to describe the symbols use words from</p>
					<p>check the terminology used in GR's</p>
	<p>India presumes that, the optical warning device is only for flashing of the headlamp to give a signal to the driver of another</p>	<p>The description of this item is not clear. The expression needs to be revised to give an illustrative example.</p>		<p>Suggest use of "upper" beam against driving beam ; "lower" beam against passing beam</p>	

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No comment. (almost M/Cs are not equipped with fog lamp in Asia.)				delete the words as well as the symbols. delete "Front" and "Rear".	stay with IMMA proposal
OK	India has no comments.			Represented by given symbols. The left and right arrows on control, which is located on the handlebar, or tell-tales may be separated. The tell-tale must be located within the clear view of the operator when the vehicle is in operation and may either flash to show that a direction indicator is engaged or separate tell-tales may flash to show which side of the vehicle is being worked. If there are separate tell-tales, or controls, for the left and right direction indicators, the two arrows may also be used separately. Delete "switches" "indicator lamp" "turn signal" and "lamps" and substitute	Change title to "direction indicators" Agree with delete "switches" "indicator lamp" "turn signal" and "lamps" and substitute controls indicators and tell-tales.

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do not understand !	India has no comments.			Represented by either the direction indicator tell-tale(s) flashing simultaneously, or by a given triangle symbol.	agree with Canada
	India has no comments.			. This should be in a footnote like in ECE 121 (If the tell-tale for a turn signal is the separate, individual arrow (not both arrows), the hazard warning tell-tale may be the simultaneous operation of both turn signal tell-tales)	do not understand why it should be in a footnote
					change title to Lighting control







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	India has no comments.			Delete L1 - L5 and change as follows: For 3 category vehicles EXCEPT 3-1 category vehicles with pedals usable for motive power [mopeds with bicycle type pedals].  A foot control located on the right side of the frame.  Not allowed for 3-1 category vehicles with pedals usable for motive power.	Right handlebar stay with IMMA position
	Categories to be aligned with SR.1			Delete L1 - L5: For 3 category vehicles WITHOUT hand operated clutch devices:  A hand control on the left handlebar.  Not allowed for vehicles with hand operated clutch.	scope limited to L3, A foot control located on the right side of the frame.
					F
	Categories to be aligned with SR.1	We should focus on L1 (3-1) and L3 (3-3).			
				Delete L1 - L5: For 3 category vehicles equipped with combined braking systems:  The rear wheel brake may operate simultaneously with the front wheel brake when the combined brake	For vehicles without a handoperated clutch, a supplemental rear brake control lever may be located on




FAMI comment on EU comment	Indian comments on 2006/74	FAMI Comments on Indian comments	CMVSS	Canadian comments	IMMA agreement as per 23/02/10
	Categories to be aligned with SR.1				
	India has no comments.				delete as reference to 3-wheeler
	India has no comments.			<p>The IMMA proposal reflects the current and forward looking developments in this area.</p> <p>With the various new technologies being developed the IMMA proposal is intended to be less design restrictive while still meeting the intent of each of the current applicable regulations.</p>	



FAMI comment on EU comment	Indian comments on 2006/74	FAMI Comments on Indian comments	CMVSS	Canadian comments	IMMA agreement as per 23/02/10
	Higher gear and Lower gears may be defined. The requirement on engine cc may be deleted as specification should be only based on gear shifting type.	We support the proposal by IMMA because the gear shifting type by engine displacement (cc) is based on the current market condition. (The definition of lower gear and higher gear may be changed to an expression to indicate high and low gear ratios.)	deleted "	addition to IMMA proposal "If three or more gears are provided, it shall not be possible to shift from the highest gear directly to the lowest gear, or vice versa. " Could be added as in option [ For [PTW's less than 200cc] vehicles, transmissions with the following shift patterns may be fitted:- Rotary pattern (i.e: N-1-2-3-4-5-N-1). Reverse pattern, where moving the forward part of the foot lever or rocker arm shall progressively select the gears: upward movement of the forward part for shifting to a lower gear position and downward movement for shifting to a higher	If the vehicle is equipped with a manual clutch, and gear selection is performed independently from the clutch, the gear selector is on the left side of the frame ( Canada proposal same as IMMA proposal)
	India has no comments				

FAMI comment on EU comment	Indian comments on 2006/74	FAMI Comments on Indian comments	CMVSS	Canadian comments	IMMA agreement as per 23/02/10
	India has no comments				
Disagree to include this symbole unless US will accept.	India has no comments				
Disagree to include this symbole unless US will accept.					
Disagree to include this symbole unless US will accept. We should stop to discuss with new symbol otherwise confusing will come again. ( ISO 6727 is now amending with this symbol )					

FAMI comment on EU comment	Indian comments on 2006/74	FAMI Comments on Indian comments	CMVSS	Canadian comments	IMMA agreement as per 23/02/10
Disagree to include this symbole unless US will accept. We should stop to discuss with new symbol otherwise confusing will come again.					
(It is better to start with ISO, if we consider to adopt new symbol.)					
Disagree to include this symbole unless US will accept. We should stop to discuss with new symbol otherwise confusing will come again.					
(It is better to start with ISO, if we consider to adopt new symbol.)					
Disagree to include this symbole unless US will accept. We should stop to discuss with new symbol otherwise confusing will come again.					
(It is better to start with ISO, if we consider to adopt new symbol.)					
Disagree to include this symbole unless US will accept. We should stop to discuss with new symbol otherwise confusing will come again. (No ISO , ECE)					
			Delete: non-abs system optional ABS system: Required	gtr #3 "Motorcycle Brake Systems"	

FAMI comment on EU comment	Indian comments on 2006/74	FAMI Comments on Indian comments	CMVSS	Canadian comments	IMMA agreement as per 23/02/10
					
			<p>In a footnote "If a single tell-tale is used to indicate more than one brake system condition, the brake system malfunction symbol shall be..."</p>		
			Yellow		
				gtr #3 "Motorcycle Brake Systems"	
					
			Red		
				See regulation 53 paragraph 6.13.8, If equipped with a tell-tale, the tell-tale shall be this one	
			Blue or Green		