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# 1. BMW model year refresh, March 2011. (Short version)



**Munich.** BMW will enter spring 2011 with important new models and model variants, as well as a large number of product upgrades and new features. The changes to the BMW model range focus on pioneering innovations for enhanced efficiency, aesthetic design and superior driving dynamics. The new models and model upgrades will be available from March 2011. The new BMW 1 Series Coupe and the new BMW 1 Series Convertible will get some carefully selected design modifications and improved aerodynamic qualities. Elsewhere in the range, the BMW 320d Touring EfficientDynamics Edition will make its debut, and two new six-cylinder engines and the M Sports package will be introduced to the new BMW X3. Spring 2011 will also see new apps from BMW ConnectedDrive to integrate iPhones, iPods and internet services. There will also be new model series-specific options and new BMW Individual features, while new xDrive versions will be added to the BMW 5 Series.

## **The new BMW 1 Series Coupe and the new BMW 1 Series Convertible.**

The new BMW 1 Series Coupe and the new BMW 1 Series Convertible will incorporate carefully selected modifications that will make these models even more dynamic and efficient. The restyled front apron creates “air curtains” which counteract turbulence in the wheel arch area, thereby also reducing drag. Other new touches include restyled headlights and rear lights, high-grade refinements to various controls, and new exterior paint colours, upholstery and interior trim.

## **BMW 320d Touring EfficientDynamics Edition: more space, less CO<sub>2</sub>.**

Like its counterpart the BMW 320d Sedan EfficientDynamics Edition, the BMW 320d Touring EfficientDynamics Edition, due for launch in spring 2011, reflects BMW's world-leading expertise in developing cars that combine extra-low emissions with dynamic performance. The BMW 320d Touring EfficientDynamics Edition has 120 kW/163 hp of power on tap, but records fuel consumption of just 4.3 litres/100 km (65.7 mpg imp) in the EU test cycle (114 grams of CO<sub>2</sub> per kilometre). The powerplant is a latest-generation common-rail direct-injection turbocharged four-cylinder diesel engine. This all-aluminium unit develops peak torque of 380 Newton metres (280 lb-ft) at just 1,750 rpm. It accelerates the five-door estate from 0 to 100 km/h (62 mph) in 8.3 seconds and provides a top speed of 223 km/h (138.5 mph).

Adding to all these statistics is generous luggage space of up to 1,385 litres (48.9 cu. ft).

### **The new BMW X3: bigger, more dynamic, more comfortable.**

With extra agility, improved ride quality and increased interior space, the newly launched BMW X3 looks set to continue the success of its predecessor, over 600,000 of which were built and sold around the world. With the start of the new model year in spring 2011 the new X3, built at BMW's US plant in Spartanburg, South Carolina, will acquire two more six-cylinder engines. The new BMW X3 xDrive30d is powered by a 190 kW/258 hp six-cylinder diesel unit and, just like the four-cylinder BMW X3 xDrive20d, offers the best balance between performance and fuel consumption in its power class. Also new is the BMW X3 xDrive28i, whose 3.0-litre naturally aspirated engine with VALVETRONIC has the same power rating as the new diesel engine, at 190 kW/258 hp. Equipped as standard with the BMW xDrive all-wheel-drive system and featuring four state-of-the-art engines including a 225 kW/306 hp unit in the BMW X3 xDrive35i, the BMW X3 Sports Activity Vehicle is again setting the standards in its class.

### **BMW M Sports package for the BMW X3.**

From model year 2011, the new BMW X3 will also be available with the M Sports package, which was specially developed by BMW M GmbH to provide an even more intensive driving experience for the new Sports Activity Vehicle. The M Sports package comprises a range of high-end suspension, aerodynamics and exterior/interior components. These include the M Aerodynamics package, M alloy wheels and interior styling features geared to maximise driving enjoyment. All these features take the dynamic driving qualities of the new BMW X3 to new levels, while also lending them a distinctive visual dimension.

### **New options and new BMW 5 Series xDrive versions.**

Various other new model versions and equipment features will add to the diversity, cutting-edge feel and attractiveness of the BMW product range. New optional equipment features include steering wheel shift paddles in BMW 1 Series models, BMW Head-Up Display with full-colour capability in the BMW 5 Series, and the upgraded rear telephone with WiFi hotspot function for the BMW 7 Series. New model variants, meanwhile, include xDrive versions in the 5 Series featuring the intelligent BMW all-wheel-drive system.

## **BMW ConnectedDrive: new interface for the integration of iPhone apps.**

For the first time following the introduction of MINI Connected, the BMW Group is now also offering selected iPhone applications in a BMW for integrated use in the vehicle. This new capability – so far unmatched by any other carmaker – further enhances the already extensive BMW ConnectedDrive package of features and sees BMW once again underline its leading role in the field of in-car integration technology. Designed to improve the integration of the Apple iPhone in the vehicle, this option will be available from spring 2011 in conjunction with the launch of the new BMW 1 Series Coupe and new BMW 1 Series Convertible. This interface for the first time allows features such as Facebook, web radio and Twitter to be shown on the vehicle display and accessed using the iDrive Controller.

## **2. BMW model year refresh, March 2011:** From the BMW 1 Series Coupe to the BMW X6. (Long version)



## 2.1 The new BMW 1 Series Coupe. The new BMW 1 Series Convertible. Now even more efficient and dynamic.



Outstanding efficiency and sporty driving enjoyment are hallmarks of the BMW 1 Series Coupe and the BMW 1 Series Convertible premium compact-class models. These two-door BMW 1 Series models will be adding to their sporty and elegant appeal in model year 2011 with some carefully selected design modifications, optimised aerodynamics and attractive equipment features. A restyled front apron now showcases the typical BMW personality even more effectively. The central under-bumper air intake is strikingly enhanced by a black trim strip, and the sporty theme continues with the apron-integrated foglamps and the new vertical air intakes, which are mounted well to the outside.

The resized vertical ventilation slits in the front apron channel air into the wheel arches to create a kind of "air curtain" or aerodynamic screening effect across the face of the front wheels, which significantly reduces drag in this area. The Air Curtain is a further step in BMW's pioneering EfficientDynamics programme. In combination with Brake Energy Regeneration, the Auto Start-Stop function, the gear shift indicator and on-demand control of auxiliary units, it has a further positive impact on fuel consumption and emissions.

### **New accents on the lighting front: bold and instantly recognisable.**

Both the new BMW 1 Series Coupe and the new BMW 1 Series Convertible come with restyled and even more attractive headlights and rear lights. The detailed reworking of the main headlight unit is further enhanced by an accent strip which runs across the top of the twin headlights. The L-shaped rear light cluster, which now features a new, all-red housing, makes a particularly powerful statement, while xenon headlights with integrated LED accent lights (daytime running lights) and LED strips in the rear lights create the typical, instantly identifiable BMW night-time look.

Further fresh new touches are added by the extended range of exterior paintwork colours and wheel styles. Two bright metallic paintwork colours – Vermilion Red and Marrakesh Brown – add to the exclusive appeal of the BMW 1 Series Coupe and BMW 1 Series Convertible. New 17-inch alloy wheels in star-spoke and Streamline styling, and 18-inch V-spoke alloy wheels with mixed tyres, highlight the distinctive character of these two models, which also happen to be the only rear-wheel-drive cars in the compact segment. Even the entry-level BMW 1 Series Convertible 118i will now run on 16-inch V-spoke alloy wheels as standard.

**New upholstery: improved interior customisation.**

The sporty and exclusive interior feel has been further heightened by new, carefully coordinated interior trim features. The range of seat upholstery and decorative trim features has been extensively revised. The new upholstery options for the BMW 1 Series Coupe and BMW 1 Series Convertible comprise "Network" fabric upholstery in Magma Brown, and Oyster or Savanna Beige "Boston" leather. Other new interior options are a sports leather steering wheel with shift paddles and an M leather steering wheel, again with shift paddles.

On all models, regardless of specification, BMW has now improved the markings on the DSC button in the instrument panel by replacing the letters DSC (Dynamic Stability control) with a new international symbol. On all BMW 1 Series Coupe and BMW 1 Series Convertible models, the standard-version interior now includes a wide range of features that further reinforce the strong sense of quality and refinement. For example, the light control centre and the climate control panel in the centre console now feature elegant chrome edging. The interior trim strip range has been revised and now includes an Alpine White version.

## 2.2 The new BMW 320d Touring EfficientDynamics Edition: More space, less CO<sub>2</sub>.



114 grams of CO<sub>2</sub> per kilometre and 120 kW/163 hp – this relation between emission levels and engine output can only be achieved with BMW EfficientDynamics. BMW has realised it in a premium vehicle of the medium range which also offers a luggage compartment volume of up to 1,385 litres (48.9 cu. ft): the new BMW 320d Touring EfficientDynamics Edition.

The new combination of efficiency, driving pleasure and versatility is possible due to the use of technology for the reduction of fuel consumption and emissions involving a specific engine design. The BMW 320d Touring EfficientDynamics Edition has average fuel consumption of 4.3 litres per 100 kilometres (65.7 mpg imp) in the EU test cycle, thereby clearly leading the efficiency rankings within its vehicle segment.

The new BMW 3 Series Touring model was primarily developed for the markets of Belgium, the Netherlands and France, since in these countries an important tax limit of 115 g CO<sub>2</sub>/km applies.

When the BMW 320d Touring EfficientDynamics Edition becomes available in spring 2011, BMW will once again underscore its global leadership in the development of dynamic models with a particularly low level of emissions – as was previously the case with the similarly configured Sedan model.

The 5-door vehicle is powered by a 4-cylinder diesel engine of the latest generation with common rail direct injection and turbocharging. Its 120 kW/163 hp all-aluminium power unit provides maximum torque of 380 Newton metres (280 lb-ft) from just 1,750 rpm, accelerating the Touring model in 8.3 seconds from zero to 100 km/h (62 mph) and on to a top speed of 223 km/h (138.5 mph).

**Clear lead within the competitive field: significantly superior dynamic performance and up to 30 grams less CO<sub>2</sub> per kilometre thanks to BMW EfficientDynamics.**

This relationship between efficiency and driving pleasure is unique within the entire medium category market environment. The competitor with the lowest fuel consumption in the segment of the BMW 3 Series Touring has a much less powerful engine, requiring almost 5 seconds more for acceleration from zero to 100 km/h (62 mph) than the BMW 320d Touring EfficientDynamics Edition. Other comparable vehicles in this category have a level of CO<sub>2</sub>

emissions up to 30 g/km higher than that of the new BMW EfficientDynamics Edition version.

This makes the Touring model's lead in terms of efficiency similar to that of the BMW 320d Sedan EfficientDynamics Edition. With the benefit of low weight and a low drag coefficient, the Sedan posts fuel consumption figures in the EU test cycle of 4.1 litres per 100 kilometres (68.9 mpg imp) and CO<sub>2</sub> output of just 109 g/km.

Within the hotly contested medium range, both models stand for groundbreaking efficiency combined with the dynamic performance typical of BMW, as well as providing the superior level of technology and quality of a premium automobile made by BMW. As a parallel offer to the BMW 320d they have the same standard comfort features and are available with virtually all the options for the BMW 3 Series, including driver assistance systems and BMW ConnectedDrive mobility services.

The outstanding efficiency of the Sedan and Touring models derives from a consistent implementation of the BMW EfficientDynamics development strategy. Their 2.0-litre diesel engine has been modified for further enhanced efficiency. What is more, the range of efficiency-enhancing measures applied in other BMW 3 Series models has been extended in the BMW 320d EfficientDynamics Edition with the addition of model-specific innovations.

Besides a longer final drive ratio, these include a low-slung chassis and special aero-rims in the turbine wheel design which make for improved aerodynamic properties. The drag coefficient of the BMW 320d Touring EfficientDynamics Edition is reduced to just 0.275.

**Centrifugal force pendulum in dual-mass flywheel enables comfortable driving without vibrations even at low engine speeds.**

In order to ensure smooth, vibration-free running even at low engine speeds, the power unit of the BMW 320d EfficientDynamics Edition is fitted with a so-called centrifugal force pendulum which effectively compensates for the irregular rotations usually occurring at low engine speeds. This new component is integrated in the engine's dual-mass flywheel where it eliminates vibrations released for engine load requirements, thereby ensuring a comfortable and acoustically optimised power delivery from low engine speeds.

In combination with a longer final drive ratio, the efficiency-enhanced engine design of the BMW 320d EfficientDynamics Edition makes for a significant reduction in engine speeds across all road speed ranges. And even in

combination with this load point shift which benefits fuel consumption and emissions, the spontaneity and running smoothness characteristic of BMW diesel engines is fully retained. The increase in comfort thus achieved encourages the driver to use a higher gear more frequently or indeed avoid shifting down altogether. When accelerating, the BMW 320d EfficientDynamics Edition still shows the agile driving response typical of a BMW.

**Less emissions, more driving pleasure: the potential of BMW EfficientDynamics consistently realised.**

Needless to say, the BMW 320d Touring EfficientDynamics Edition also features as standard the complete package of measures to reduce fuel consumption and emission levels as applied to the other models of the BMW 3 Series. For example, thanks to Brake Energy Regeneration, the generation of electrical current for the vehicle power system is focused on the vehicle's trailing throttle and braking phases where fuel consumption is at a neutral level. The Auto Start-Stop function means that the engine can be switched off during a short stop, preventing unnecessary fuel consumption when idling.

A gear shift indicator in the BMW 320d EfficientDynamics Edition gives the driver early indication of a gearshift optimised for the purposes of efficiency. Both the air conditioning compressor with decoupling facility and the electromechanical hydraulic steering system EPS offer needs-based control. What is more, active air intake flap control helps reduce aerodynamic resistance, thereby increasing efficiency. The BMW 320d Touring EfficientDynamics Edition is also fitted with a diesel particulate filter placed near the engine and fulfils the EU5 exhaust emissions standard.

## 2.3 The new BMW X3: Additional six-cylinder engines in the BMW X3 xDrive30d and BMW X3 xDrive28i.



Greater agility, more comfort, more space – the new BMW X3 meets even the most exacting demands in this area of the Sports Activity Vehicle segment. In spring 2011, it will add to its already high levels of driving enjoyment and diversity with an extended range of engines. One of these new powerplants provides an additional opportunity to enjoy the typical advantages of a BMW diesel engine. This 190 kW/258 hp six-cylinder unit is fitted in the BMW X3 xDrive30d. Like the four-cylinder BMW X3 xDrive20d, this model offers the best balance between performance and fuel consumption in its power class. On the petrol side, the top-of-the-line BMW X3 xDrive35i is now joined by the new BMW X3 xDrive28i, which boasts all the proven qualities of a classic 3.0-litre naturally aspirated VALVETRONIC engine. At 190 kW/258 hp, it develops the same power as the new diesel model.

### **More power, maximised efficiency: BMW X3 xDrive30d with six-in-line diesel engine.**

The new BMW X3 xDrive30d furnishes further proof of the outstanding expertise of BMW in the field of diesel engine development. Like the four-cylinder diesel unit in the BMW X3 xDrive20d, the new six-cylinder in-line engine features an all-aluminium crankcase, latest-generation common rail direct injection and a VNT turbocharger. The injection system feeds the fuel into the combustion chambers at a pressure of up to 1,800 bar, for cleaner, more efficient combustion. The turbocharger is thermodynamically optimised for instant response and impressive low-end torque. In the version used in the BMW X3 xDrive30d, this 3.0-litre engine develops a rated output of 190 kW/258 hp at 4,000 rpm, and peak torque of 560 Newton metres (413 lb-ft), which is on stream between 2,000 and 2,750 rpm. The new BMW X3 xDrive30d goes from standstill to 100 km/h (62 mph) in 6.2 seconds en route to a top speed of 230 km/h (143 mph).

With all this going for it, this BMW X3 six-cylinder diesel is, in typical X3 style, the sportiest in its segment by a clear margin. Yet for all its lively temperament, average fuel consumption and CO<sub>2</sub> emissions of the new BMW X3 xDrive30d, at 6.0 litres/100 km (47 mpg imp) and 159 g/km, also make it far and away the most efficient model in its power class. The six-cylinder diesel version of this Sports Activity Vehicle is one of the most impressive examples of the all-round effectiveness of the BMW EfficientDynamics development strategy, combining a power increase of 30 kW, or 19 per cent, over the previous-generation model, with fuel savings of 22 per cent. The BMW

EfficientDynamics technology responsible for this big step forward includes standard-fitted Brake Energy Regeneration, on-demand control of auxiliary units and the Auto Start-Stop function, which automatically switches off the engine when the vehicle stops at crossroads or is sitting in stationary traffic, in order to prevent unnecessary idling and wasteful fuel consumption. The BMW X3 xDrive30d is fully compliant with the EU5 emissions standard.

**The new BMW X3 xDrive28i: high-revving, smooth-running, lightweight six-cylinder in-line engine with VALVETRONIC.**

The extended choice of engines for the new BMW X3 includes an additional opportunity to experience the high-revving temperament, refinement and fuel efficiency of a BMW six-cylinder in-line petrol engine when driving a BMW X model. The new BMW X3 xDrive28i is powered by a 3.0-litre naturally aspirated engine which delivers rated power of 190 kW/258 hp at 6,600 rpm. Peak torque of 310 Newton metres (228 lb-ft) is on tap between 2,600 and 3,000 rpm. The sporty temperament of this new X3 powerplant is reflected in a 0 to 100 km/h (62 mph) sprint time of 6.9 seconds. The new BMW X3 xDrive28i hits a top speed of 230 km/h (143 mph).

Robust yet smooth power delivery combined with high efficiency are standout features of this petrol powerplant, which features VALVETRONIC fully variable valve control for improved response and efficiency. This patented and globally proven BMW technology minimises pumping losses by replacing conventional throttling with seamlessly variable intake valve lift. The result is lively accelerator response and extra-efficient fuel utilisation. The six-in-line engine of the BMW X3 xDrive28i is also equipped with a composite magnesium/aluminium crankcase. This design brings a significant reduction in weight – with magnesium accounting for an extra savings of 30 per cent or so even over aluminium – and corresponding efficiency improvements. At the same time, the reduction in front axle load has a positive impact on the agility of the new BMW X3 xDrive28i.

The new model's six-cylinder engine is equipped with a computer-controlled oil pump and an on-demand coolant pump. These form part of the standard-fitted BMW EfficientDynamics package, which also includes Brake Energy Regeneration and needs-based Electric Power Steering, which consumes less energy because it only operates when steering assistance is actually required. Average fuel consumption of 9.0 litres/100 km (31.4 mpg imp) in the EU test cycle and CO<sub>2</sub> emissions of 210 g/km reflect the high efficiency of the new six-cylinder petrol model, which also achieves full compliance with the European EU5 emissions standards and the US ULEV 2 standards.

**Standard specification: uniquely efficient eight-speed automatic transmission and xDrive intelligent all-wheel drive.**

The high efficiency of these two new engines is further improved by the eight-speed automatic transmission, which is standard on both the BMW X3 xDrive30d and the BMW X3 xDrive28i. Innovative gear train design helps this compact, lightweight automatic transmission achieve exceptional efficiency, while the short shift times and direct downshift capability enhance the dynamic, sporty qualities of these Sports Activity Vehicles. Minimal torque converter slip, which only occurs at launch, high internal efficiency, reduced friction losses (since no more than two clutches are ever open at the same time), higher gearing in the higher ratios, and transmission logic which favours lower rpm operation all add up to substantial fuel savings.

All engine versions of the new BMW X3 are equipped with the intelligent BMW xDrive all-wheel-drive system as standard. This full-time, electronically controlled all-wheel-drive system varies the engine power distribution between the front and rear wheels as required. This means that drive torque is always on hand wherever it can be most effectively used to provide dynamism and agility. Calibrated for optimised driving dynamics, the xDrive system fitted on the new BMW X3 has big benefits for track holding when cornering. When entering the corner, more power is directed to the rear wheels in order to improve steering response. The optional Performance Control system raises agility a further notch. Selective braking of the rear wheel on the inside of the turn, combined with a simultaneous increase in drive power, results in more responsive and precise steering. Two further options for enhancing the X3's trademark driving enjoyment are electronic suspension adjustment in the form of Dynamic Damper Control, and – a first for a BMW X model – Drive Dynamic Control, which allows the driver to customise a range of different driving characteristics at the press of a button.

The new BMW X3 continues the successful concept of its predecessor and takes the model's characteristic strengths to new levels. So, as well as being the new benchmark in its segment in terms of driving pleasure, it has also impressively extended its lead in terms of fuel efficiency. The new BMW X3 xDrive35i is clearly best-in-class on the performance front, developing maximum power of 225 kW/306 hp, while at the same time BMW EfficientDynamics helps this top-of-the-line model achieve a significant improvement on fuel consumption and emissions, which compare strongly with many a less powerful competitor. The 135 kW/184 hp BMW X3 xDrive20d, meanwhile, sets a new class benchmark with average fuel consumption in the EU test cycle of 5.6 l/100 km (50.4 mpg imp) and CO<sub>2</sub> emissions of 147 grams/km.

The new X3's sporty and elegant body styling, the upscale interior feel and the innovative equipment features are further highlights in this class. Unique driver assistance systems and mobility services from BMW ConnectedDrive, including BMW Head-Up Display, in-car internet access and the rear-view camera with Top View, are available for the new BMW X3 as optional specification.

This superior all-rounder caps things off with a versatile interior that is the largest in its class. The 40:20:40 split-folding rear seat backrest allows the 550-litre (19.4 cu. ft) boot to be extended as necessary right up to a new class benchmark of 1,600 litres (56.5 cu. ft).

## **2.4 The M Sports package for the new BMW X3: Suspension, aerodynamics and exterior/interior components.**



Sporty driving in the typical mould of the BMW X models is a defining feature of the new BMW X3. It has assumed its predecessor's mantle as the sportiest drive in its segment, and it is continuing to expand its lead on agility and driving dynamics. For an even more intensive driving experience, from model year 2011 the new BMW X3 will be available with the M Sports package.

Developed by BMW M GmbH specifically for this new Sports Activity Vehicle, the package comprises a range of high-end suspension, aerodynamics and exterior/interior components. Highlights include the M Aerodynamic package, special alloy wheels and interior styling features which add to the sense of concentrated driving pleasure.

The new BMW X3 is already an extremely sporty machine, thanks to its all-new suspension. This, together with a longer wheelbase and increased track width compared with the previous model, brings an appreciable improvement in stability and lateral traction in dynamic driving situations. Electric Power Steering, meanwhile, offers typical BMW precision. Alternatively, an optional variable-ratio sports steering system can be specified. The BMW X3 comes as standard with BMW xDrive permanent all-wheel drive, which is calibrated for optimised driving dynamics. The benefits are particularly noticeable during sharp cornering. Optionally, Performance Control can be added for even more agility on tight corners. Also, the new BMW X3 is the first BMW X model to be available with the electronically controlled Dynamic Damper Control system and Drive Dynamic Control, which allows the driver to customise the driving characteristics at the press of a button.

The M Sports package boosts the dynamic driving qualities of the new BMW X3 to new levels and gives them a distinctive visual dimension as well. It includes the M Aerodynamic package, chrome tailpipes and the BMW Individual High-Gloss Shadow Line trim for the side window surrounds and roof rails. The M Aerodynamic package includes body parts painted in body colour at the front, rear and side of the vehicle, while the panel in the rear apron is painted in Dark Shadow metallic.

Sports suspension calibration and 18-inch M alloy wheels, plus Performance Control as an add-on to the standard-specification xDrive all-wheel-drive system, all enhance the excellent driving dynamics of the Sports Activity Vehicle. On the new BMW X3 xDrive35i, they are joined by a Sports automatic transmission, steering wheel shift paddles and variable sports steering,

including Servotronic. 19-inch M alloy wheels with mixed tyres are also available, while 20-inch M alloys with mixed tyres can be ordered from the accessories range.

Sports seats with exclusive Pearlpoint fabric/leather upholstery, an M leather-trimmed steering wheel with multifunction buttons including a Cruise Control button, door sills with the M logo and an M footrest for the driver all add to the driving pleasure in the new BMW X3 with M Sports package. The high-end sporty theme is capped off by a BMW Individual roof lining in anthracite, brushed aluminium interior trim, an M shift lever (only for the BMW X3 xDrive 20d with manual transmission) and a stainless steel insert in the loading sill.

The M Sports package will be available for all engine versions of the new BMW X3 from spring 2011. As an exclusive option in conjunction with the M Sports package, Carbon Black metallic paintwork can also be specified as an alternative to the standard paint finishes.

## 2.5 New optional equipment, new 5 Series xDrive versions, new BMW Individual colours and alloy wheels.



Various other new model versions and equipment features will add to the diversity, cutting-edge feel and attractiveness of the BMW product range in the new model year.

On all BMW 1 Series and BMW 3 Series models, the markings on the DSC button in the instrument panel will be modified in spring 2011. The letters DSC (Dynamic Stability Control) will be replaced by a new international symbol. For models BMW 120i and BMW 120d, and for the BMW 320i and BMW 320d, two new optional steering wheels will be available from spring 2011. The sports leather steering wheel and the M leather steering wheel both come with shift paddles for operating the 6-speed automatic transmission.

New model versions featuring the intelligent xDrive all-wheel-drive system will join the BMW 5 Series. In addition to the typical traction advantages of all-wheel drive, xDrive's electronic control system, which redistributes drive power with split-second speed, also provides further improved cornering agility, even on dry roads. The new BMW 535i xDrive Sedan, BMW 530d xDrive Sedan and BMW 530d xDrive Touring versions are specified as standard with 8-speed automatic transmission with Steptronic and the Auto Start-Stop function. The BMW 530d xDrive develops 190 kW/258 hp, a power increase of 10 kW/14 hp. From spring 2011 the 5 Series will also be offering two new BMW Individual paint colours (Champagne Quartz metallic and Amazonite Silver metallic), the extended BMW Individual Merino leather trim, and special BMW Individual interior trim strips. Also new in the BMW Individual range for the BMW 5 Series are 19-inch V-spoke alloy wheels. With this specification, the BMW 5 Series Sedan runs on size 245/40 tyres at the front and size 275/35 tyres at the rear.

Also new in the BMW 5 Series will be the optional full-colour BMW Head-Up Display and the instrument cluster with extended functionality (supplementary information modes, additional permanent displays and parallel display of navigation system and on-board computer data). This instrument cluster corresponds to the system already used on the BMW 5 Series Gran Turismo and the BMW 7 Series.

As an alternative to the 8-speed automatic transmission, the BMW 530d will also be available with a 6-speed manual transmission and ultra-low-emission

BMW Diesel BluePerformance technology with adsorber catalyst. This version of the BMW 530d already complies with the future EU6 emissions standards.

For the BMW 7 Series, a rear telephone with WiFi hotspot function will be available from spring 2011. This feature provides internet capability for notebooks, iPads and similar devices.

Two important new options for the BMW X6 are the five-seater package (4+1; not available for BMW ActiveHybrid X6) and the sports leather steering wheel with monodirectional shift paddles. The right-hand paddle is used for changing up, and the left-hand paddle for changing down.

## 2.6 BMW ConnectedDrive: BMW offers new interface for the integration of iPhone apps into the vehicle.



For the first time following the introduction of MINI Connected, the BMW Group is now also offering selected iPhone applications in a BMW for integrated use in the vehicle. This new capability – so far unmatched by any other carmaker – further enhances the already extensive BMW ConnectedDrive package of features and sees BMW once again underline its leading role in the field of in-car integration technology. Designed to improve the integration of the Apple iPhone in the vehicle, this option will be available from spring 2011 in conjunction with the launch of the new BMW 1 Series Coupe and new BMW 1 Series Convertible. This interface for the first time allows features such as Facebook, web radio and Twitter to be shown on the vehicle display and accessed using the iDrive Controller.

### **Sending and receiving Facebook and Twitter posts.**

In order to use this application, customers will need the new “Apps” option, Bluetooth and USB connectivity, the Navigation system Professional and the “BMW Connected” app – available free from the Apple App Store – downloaded onto their iPhone. When the iPhone is connected to the vehicle via the USB socket or the snap-in adapter, the content of the BMW Connected app appears on the display, ideally positioned in the driver’s field of view. This allows the driver to select and use the Facebook, Twitter and web radio features of the app by means of the iDrive Controller. The driver can therefore leave the iPhone in the holder and follow his personal Facebook or Twitter messages conveniently and safely on the large vehicle display. Plus, preformulated text modules, which can access information such as the vehicle’s speed, the outside temperature and the destination entered in the navigation system, allow the driver to reply to new posts and messages from inside the vehicle at any time.

As with Facebook and Twitter, vehicle occupants will also enjoy access to the web radio feature of the BMW Connected app on the navigation system display using the iDrive Controller. They will therefore be able to select from thousands of internet radio stations around the world, regardless of the vehicle’s current location. As with the iPhone, the stations are ordered according to country and then alphabetically. There is also the facility to call up stored favourite stations.

With this interface BMW offers customers the option of integrating external applications into the vehicle infrastructure. However, this is only the start when

it comes to iPhone integration through BMW ConnectedDrive. Additional functions and apps are set to follow and will be available to customers for download from the App Store.