

# MANAGEMENT SYSTEM CERTIFICATE

Certificate No.:  
129399-2013-AE-GER-DAKKS

Initial date:  
03.05.2006

Valid:  
01.01.2016 – 15.09.2018

This is to certify that the management system of



## ZF Friedrichshafen AG

Graf-von-Soden-Platz 1, 88046 Friedrichshafen - Germany

and the sites as mentioned in the Appendix accompanying this Certificate

has been found to conform to management system standard:

**ISO 14001:2004**

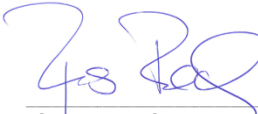
This certificate is valid for the following Scope:

**Transmission and chassis systems  
(Development, production, service and sales)**

Place and date:  
Essen, 17.12.2015



For the Accredited Unit:  
**DNV GL Business Assurance Zertifizierung  
und Umweltgutachter GmbH**

  
**Thomas Beck**  
Technical Manager

Certificate No.: 129399-2013-AE-GER-DAkKS  
Place and date: Essen, 17.12.2015

## Appendix to Certificate

Locations included in the certification are as follows:

<b>Western Europe</b>				
<b>Location</b>	<b>ZF-Company</b>	<b>Address</b>	<b>Scope<sup>1</sup></b>	
<b>Germany</b>				
Alsdorf	GAT-Gesellschaft für Antriebstechnik mbH	Konrad-Zuse-Straße 3 D-52477 Alsdorf	▪ Powertrain components for cars	D, P
Auerbach	ZF Friedrichshafen AG	Cherrystraße 1 D-91275 Auerbach	▪ Electronic components	D, P, S
Bad Neuenahr-Ahrweiler	ZF Friedrichshafen AG	Max-Planck-Straße 17 D-53474 Bad Neuenahr-Ahrweiler	▪ Suspension components for cars	P
Bielefeld	ZF Friedrichshafen AG	Windelsbleicher Straße 80 D-33647 Bielefeld	▪ Powertrain components for cars and commercial vehicles	P, S
Brandenburg	ZF Friedrichshafen AG	Caasmannstraße 9 D-14770 Brandenburg	▪ Manual transmissions for cars	D, P, S
Calden/Kassel	ZF Luftfahrttechnik GmbH	Flughafen Kassel D-34379 Calden	▪ Transmissions for helicopters	D, P, S, Se
Damme	ZF Friedrichshafen AG	Dr.-Jürgen-Ulderup-Platz 1 D-49401 Damme	▪ Chassis components for cars	P
Diepholz	ZF Friedrichshafen AG	Siemensstraße 4 D-49356 Diepholz	▪ Components for transmission gearshifts for cars and commercial vehicles	D, P, S
		Dr.-Jürgen-Ulderup-Straße 11 D-49356 Diepholz	▪ Chassis components for cars	P
		Alter Bahndamm 12 D-49448 Lemförde		
Eitorf	ZF Friedrichshafen AG	Bogestraße 50 D-53783 Eitorf	▪ Suspension components for cars and rail vehicles	D, P, S
Espelkamp	Lemförder Electronic GmbH	Von dem Bussche-Münch-Straße 12 D-32339 Espelkamp	▪ Electric and electronic systems	D, P, S

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<b>Germany</b>				
Friedrichshafen	ZF Friedrichshafen AG	Graf-von-Soden-Platz 1 D-88046 Friedrichshafen	▪ Corporate research and development	D
		Graf-von-Soden-Platz 1 D-88046 Friedrichshafen	▪ Automatic transmissions for cars	D
		Ehlersstraße 50 D-88038 Friedrichshafen Alfred-Colsmann-Platz 1 D-88045 Friedrichshafen	▪ Manual and automatic transmissions for commercial vehicles ▪ Auxiliary power units and drive components for commercial vehicles (Shift systems, retarder systems, PTO's, transfer cases)	D, P, S, Se
		Ehlersstraße 50 D-88038 Friedrichshafen	▪ Transmissions, propellers and control systems for boats and ships ▪ Rail vehicle drives ▪ Industrial drives and elevator gearboxes	D, P, S
Gotha	ZF Friedrichshafen AG	Passauer Straße 1 D-99867 Gotha	▪ Axle drive systems for automobile industry	P, S
Kressbronn	ZF Friedrichshafen AG	Argenstraße 30 D-88079 Kressbronn	▪ Manual, automatic and continuously variable transmissions for cars	D
Nürnberg	ZF Gusstechnologie	Nopitschstraße 71 (Werk 1) D-90441 Nürnberg Industriestraße 36 D-90441 Nürnberg	▪ Casting products in aluminium and magnesium with foundry for high-pressure die casting and NC machining	D, P, S
Kreuztal	ZF Friedrichshafen AG	Langenauer Straße 18 D-57223 Kreuztal	▪ Chassis components for cars	P
Passau	ZF Friedrichshafen AG	Donaustraße 25-71 D-94034 Passau Tittlinger Straße 28 D-94034 Passau	▪ Off-road driveline technology ▪ Axle systems ▪ Transmission systems for stacking systems	D, P, S, Se
Saarbrücken	ZF Friedrichshafen AG	Südring 1 D-66117 Saarbrücken Am Heidenhübel 22 D-66539 Neunkirchen Hans-Großwendt Ring 19 D-66333 Völklingen Großblittersdorfer Str. 247 D-66117 Saarbrücken Untertürkheimer Str. 4-5	▪ Automatic transmissions for cars	D, P, S, Se
Schweinfurt	ZF Friedrichshafen AG	Ernst-Sachs-Straße 62 D-97424 Schweinfurt Röntgenstraße 2 D-97424 Schweinfurt	▪ Powertrain components for cars and commercial vehicles ▪ Suspension components for cars, commercial vehicles and rail vehicles	D, P, S
		Obere Weiden 12 D-97424 Schweinfurt	▪ Spare part trading for motor vehicles	S, Se

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Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

ACCREDITED UNIT: DNV GL Business Assurance Zertifizierung und Umweltgutachter GmbH, Schnieringshof 14, 45329 Essen, Germany.  
Tel.: +49 201 7296 222. [www.dnvgl.de/assurance](http://www.dnvgl.de/assurance)

Certificate No.: 129399-2013-AE-GER-DAkkS  
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<b>Germany</b>				
Schweinfurt	ZF Sachs Race Engineering GmbH	Ernst-Sachs-Straße 62 D-97424 Schweinfurt	<ul style="list-style-type: none"> <li>▪ Powertrain components for cars</li> <li>▪ Suspension components for cars</li> </ul>	D, P, S
Stemwede - Dielingen	ZF Friedrichshafen AG	Dr.-Jürgen-Ulderup-Straße 7 D-32352 Stemwede-Dielingen	<ul style="list-style-type: none"> <li>▪ Axles and axle components</li> <li>▪ Chassis components for cars and commercial vehicles</li> </ul>	D, P, S
Thyrnau	ZF Friedrichshafen AG	Graf-Zeppelin-Straße 1 D-94136 Thyrnau	<ul style="list-style-type: none"> <li>▪ Axle systems for automobile industry</li> </ul>	D, P, S
Wagenfeld	ZF Friedrichshafen AG	Am Uhlenberg 1 D-49419 Wagenfeld	<ul style="list-style-type: none"> <li>▪ Chassis components for cars</li> </ul>	P
Bayreuth (Wolfsbach)	ZF Friedrichshafen AG	Am Briefzentrum 2 D-95448 Bayreuth	<ul style="list-style-type: none"> <li>▪ Electronic components</li> </ul>	P

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<b>Germany</b>			
ZF Friedrichshafen AG	Blomberger Weg 4F D-13437 Berlin	▪ Services for motor vehicles	Se
ZF Friedrichshafen AG	Werner-von Siemens-Straße 35 D-64319 Pfungstadt	▪ Services for motor vehicles	Se
ZF Friedrichshafen AG	Vincenz-Wiederholt-Str. 10 D-59439 Holzwickede	▪ Services for motor vehicles and wind turbine	Se
ZF Friedrichshafen AG	Ringstraße 6 D-01468 Moritzburg	▪ Services for motor vehicles	Se
ZF Friedrichshafen AG	Gewerbeviertel 4 D-04420 Markranstädt	▪ Services for motor vehicles	Se
ZF Friedrichshafen AG	Körbelitzer Straße 3a D-39126 Magdeburg	▪ Services for motor vehicles	Se
ZF Friedrichshafen AG	Rehwinkel 5 D-32457 Porta Westfalica	▪ Services for motor vehicles	Se
ZF Friedrichshafen AG	Am Zementwerk 18 D-66130 Saarbrücken	▪ Services for motor vehicles	Se
ZF Friedrichshafen AG	Robert-Bosch-Straße 6 D-73660 Urbach	▪ Services for motor vehicles	Se
ZF Friedrichshafen AG	Borgwardstraße 16 28279 Bremen	▪ Spare part trading for motor vehicles	Se, S

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<b>Austria</b>				
Lebring	ZF Lemförder Achssysteme Ges.m.b.H.	Parkring 1 A- 8403 Lebring	▪ Axles and corner modules for cars	P
Steyr	ZF Steyr Präzisionstechnik GmbH	Schönauer Str. 5 A-4400 Steyr	▪ Production and sales of driveline technology and axle systems	P, S
	ZF Steyr Ges.m.b.H.	Schönauer Str. 5 A-4400 Steyr		
<b>Belgium</b>				
Lommel	ZF Windpower Antwerpen NV	Gerard Mercatorstraat 40, B-3920 Lommel	▪ Wind gear units	D, P, Se
<b>France</b>				
Bouthéon	ZF Bouthéon S.A.S	4, Bld Pierre Desgranges F-42166 Andrézieux- Bouthéon Cedex	▪ Production of gearboxes	P
Florange	ZF Lemforder Metal France S.A.S.	ZI Haute Sainte-Agathe1, Rue Pascal F-57192 Florange	▪ Chassis components for cars: Tie rods, stabilizer links	D, P, S
Grosbliers troff	ZF Fonderie Lorraine S.A.S.	Rue de la République F-57520 Grosblierstroff	▪ Casting products in aluminium with foundry for high-pressure die casting and NC-machining	D, P, S
Saint Etienne	ZF PWK Mécacentre S.A.S.	ZI de la Chauvetiere 18 Rue Edouard Martel F-42100 Saint-Etienne	▪ Cold extruded parts for ground link components for chassis	D, P

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<b>Great Britain</b>				
Crick	ZF Service UK Ltd.	Eldon Way Crick Industrial Estate Northamptonshire UK-Crick NN6 7SL Crick	<ul style="list-style-type: none"> <li>Spare part trading for motor vehicles</li> </ul>	S
Darlaston	ZF Lemforder UK Ltd.	Heath Road UK-Darlaston, WS10 8BH	<ul style="list-style-type: none"> <li>Automotive suspensions and steering components, systems and associated products</li> </ul>	D, P
Nottingham	ZF Service UK Ltd.	Abbeyfield Road Lenton UK-Nottingham NG7 2SX	<ul style="list-style-type: none"> <li>Products and spare parts for transmission, axles and steering technology sectors</li> </ul>	S, Se
Solihull	ZF Lemforder UK Ltd.	Birmingham International Park Starley Way, Bickenhill UK-Solihull, West Midlands B37 7GN	<ul style="list-style-type: none"> <li>Automotive suspensions and steering components, systems and associated products</li> </ul>	D, P
<b>Italy</b>				
Candiolo	ZF Sachs Italia S.p.A.	Via Sestriere, 28/2 - Candiolo 10060 Candiolo (Torino)	<ul style="list-style-type: none"> <li>Motorbikes shock absorbers</li> </ul>	D, P, S
Padova	ZF Padova s.r.l.	Via Penghe, 48 Caselle die Selvazzanon I-35030 Padova	<ul style="list-style-type: none"> <li>Marine transmissions through the steps of machining, heat treatment, assembly, painting</li> </ul>	D, P
Arco	ZF Padova s.r.l.	Via S. Andrea, 16, I-3862 Arco	<ul style="list-style-type: none"> <li>Marine transmissions through the steps of machining, heat treatment, assembly, painting</li> </ul>	D, P

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<b>Spain</b>				
Vitoria	ZF Services España, S.A.U.	C/ Ollamendi, 5 CTV (Júndiz) E-01015 Vitoria (Álava)	▪ Spare part trading for motor vehicles	S
Sant Cugat del Vallés	ZF Services España, S.A.U.	C/ Sant Esteve, 29 E-08173 Sant Cugat del Vallés (Barcelona)	▪ Administration and customer service	S
Coslada	ZF Services España, S.A.U.	Avenida Fuentemar, 11 E-28823 Coslada (Madrid)	▪ Products and spare parts for transmission, axles and steering technology	S, Se
San Fernando de Henares	ZF Services España, S.A.U.	Avenida de Castilla, 53 – 55 Nave 4 E-28830 San Fernando de Henares (Madrid)	▪ Sale and service for wind turbine and rail market	S, Se
Ermua	ZF Lemförder TVA, S.A.	Zeharkalea, S/N E-48260 Ermua (Vizcaya)	▪ Suspension ball joints, axial ball joints ▪ Suspension arms and tie rods	D, P
Lezama	ZF Sachs España, S.A.	Bo Aretxalde, 130 E-48196 Lezama	▪ Suspension components for cars ▪ Shock absorbers	P, S
<b>Turkey</b>				
Gebze	ZF Sachs Süspansiyon Sistemleri SAN. ve TIC. AS:	Gebze Organize Sanayi Bölgesi 400. Sokak TR-41480 Gebze, Kocaeli	▪ Shock absorbers	D, P
Izmir	ZF Lemforder AKS Modulleri SAN. ve TIC. A.S.	Atatürk Organize Sanayi Bölgesi 10003 SK. NO:13 TR-Cigli-Izmir	▪ Ball joints, ball joint shafts ▪ Axle torque rods, tie rods, drag links, wheel control arms ▪ Steering and suspension systems for passenger cars and commercial vehicles	D, P

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<b>Eastern Europe</b>				
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<b>Hungary</b>				
Eger	ZF Hungária Kft.	Kistályai út 2/ 8/ 18 H-3300 Eger	<ul style="list-style-type: none"> <li>▪ Transmissions, gearboxes and their parts</li> </ul>	D, P
<b>Slovakia</b>				
Levice	ZF Slovakia a.s.	Ulica Zeppelina 1 Ulica Zeppelina 3 SK-934 01 Levice	<ul style="list-style-type: none"> <li>▪ Clutch systems for passenger cars and commercial vehicles</li> <li>▪ Torque converters for automotive industry</li> <li>▪ Clutch facings</li> </ul>	P
		Ku Bratke 5 SK- 934 01 Levice	<ul style="list-style-type: none"> <li>▪ Suspension components for cars</li> </ul>	P
Trnava	ZF Slovakia a.s.	Strojársená 2 SK-917 02 Trnava	<ul style="list-style-type: none"> <li>▪ Clutch systems for passenger cars, commercial vehicles and torque converters for the automotive industry</li> <li>▪ Clutch facings</li> </ul>	D, P, S
<b>Czech Republic</b>				
Klásterec	ZF Electronic Klásterec s.r.o.	Osvobozená 780 CZ-43151 Klásterec nad Ohri	<ul style="list-style-type: none"> <li>▪ Electronic components</li> </ul>	P
Stankov	ZF Stankov s.r.o.	Ohucov 25 CZ-34561 Stankov	<ul style="list-style-type: none"> <li>▪ Axles for construction machinery</li> <li>▪ Drives and transmissions for lift trucks</li> </ul>	P
<b>Russia</b>				
Chelny	OOO ZF Kamaz	Pr. Avtozavodsky, 2 RUS-423827 Naberezhnye Chelny	<ul style="list-style-type: none"> <li>▪ Gearboxes for trucks</li> </ul>	P

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<b>North America</b>				
<b>Location</b>	<b>ZF-Company</b>	<b>Address</b>	<b>Scope<sup>1</sup></b>	
<b>United States</b>				
Chicago	ZF Chassis Systems Chicago, LLC	3400 East 126 <sup>th</sup> Street, USA-Chicago, IL 60633	<ul style="list-style-type: none"> <li>▪ Axles and axle drives for cars</li> <li>▪ Corner modules for cars</li> </ul>	D, P
Duncan	ZF Chassis Systems Duncan, LLC	191 Parkway West, USA-Duncan, SC 29334	<ul style="list-style-type: none"> <li>▪ Axles and axle drives for cars</li> <li>▪ Corner modules for cars</li> </ul>	P
Gainesville	ZF Gainesville, LLC	1261 Palmour Drive, SW USA-Gainesville, GA 30501	<ul style="list-style-type: none"> <li>▪ Parking brakes</li> <li>▪ Transmissions</li> <li>▪ Axles and axle drives</li> <li>▪ Wind turbine</li> </ul>	P
Gray Court	ZF Transmissions Gray Court, LLC	2846 North Old Laurens Road Gray Court, SC 29645	<ul style="list-style-type: none"> <li>▪ Automatic transmissions for cars</li> </ul>	P
Lapeer	ZF Chassis Components, LLC	3300 John Conley Drive, USA-Lapeer, MI 48446	<ul style="list-style-type: none"> <li>▪ Chassis components for cars</li> <li>▪ Control arms</li> <li>▪ Suspension parts and engine components</li> </ul>	P
Marysville	ZF Axle Drives Marysville, LLC	2900 Busha Highway, USA-Marysville, MI 48040	<ul style="list-style-type: none"> <li>▪ Car Powertrain Technology including axle drives, traction modules, driveline components</li> </ul>	D, P, S
Newton	ZF Chassis Components, LLC	1570 East P Street Extension, USA-Newton, NC 28658	<ul style="list-style-type: none"> <li>▪ Suspension components for cars</li> </ul>	P
Tuscaloosa	ZF Chassis Systems Tuscaloosa, LLC	1200 Commerce Drive, USA-Tuscaloosa, AL 35401	<ul style="list-style-type: none"> <li>▪ Axles and axle drives for cars</li> <li>▪ Corner modules for cars</li> </ul>	P
Vernon Hills	ZF Services, LLC	777 Hickory Hill Drive, USA-Vernon Hills, IL 60061	<ul style="list-style-type: none"> <li>▪ Spare part trading for motor vehicles</li> </ul>	S, Se

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ACCREDITED UNIT: DNV GL Business Assurance Zertifizierung und Umweltgutachter GmbH, Schnieringshof 14, 45329 Essen, Germany.

Tel.: +49 201 7296 222. [www.dnvgl.de/assurance](http://www.dnvgl.de/assurance)

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North America				
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<b>Mexico</b>				
El Salto	ZF Sachs Suspension México S.A. de C.V.	Km. 3.5 Carretera – El Salto La Capilla, MEX-El Salto, C.P. 45680	<ul style="list-style-type: none"> <li>▪ Suspension components for cars and CV's:</li> <li>▪ Shock absorbers</li> </ul>	P
Juárez	ZF Electronics de México S. de R.L. de C.V.	Av. Valle de los Cedros Nr. 1650 Parque Industrial Intermex MEX-Juárez, CP 32690	<ul style="list-style-type: none"> <li>▪ Electronic components</li> </ul>	P
Ramos Arizpe	ZF Sachs Automotive Mexico, S.A. de C.V.	Industria Metalurgica 1010-2, Parque Industrial Ramos Arizpe, MEX-Ramos Arizpe, C.P. 25900	<ul style="list-style-type: none"> <li>▪ Drive line components for cars and CV's</li> <li>▪ Torque converters</li> <li>▪ Clutches</li> </ul>	D, P
Toluca	ZF Chassis Components Toluca S.A. DE C.V.	Calle 7 Norte S/N, Manzana J, Lotes 2 y 3, Parque Industrial Toluca 2000 MEX-Toluca, C.P. 50200	<ul style="list-style-type: none"> <li>▪ Suspension components for cars</li> </ul>	D, P

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<b>South America</b>				
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<b>Argentina</b>				
San Francisco	ZF Sachs Argentina S.A.	Av. de la Universidad, 51 RA-2400 San Francisco	<ul style="list-style-type: none"> <li>▪ Suspension components for cars and CV's:</li> <li>▪ Shock absorbers</li> </ul>	D, P, S
<b>Brazil</b>				
Araraquara	ZF do Brasil Ltda.	Rua Sachs, 555 BR-14800-655 Araraquara/SP	<ul style="list-style-type: none"> <li>▪ Clutch systems</li> </ul>	P
São Bernardo do Campo	ZF do Brasil Ltda.	Av. Piraporinha, 1000 BR-09891-901 São Bernardo do Campo/SP	<ul style="list-style-type: none"> <li>▪ Clutch systems and friction materials</li> </ul>	D, P, S
Sorocaba	ZF do Brasil Ltda.	Av. Conde Zeppelin, 1935 BR-18103-905, Sorocaba/SP Rua Doutor Jürgen Ulderup, 541 BR-18103-017, Sorocaba/SP	<ul style="list-style-type: none"> <li>▪ Manual and automatic transmission systems, pumps and components for CV's</li> <li>▪ Off-road driveline technology</li> <li>▪ Axle systems</li> <li>▪ Tie rods, drag links, tie rod ends, suspension ball joints, stabilizer links and torque rods</li> <li>▪ Transmissions and control systems for boats and ships</li> </ul>	D, P, Se

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<b>Australia</b>				
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Edinburgh	ZF Lemförder Australia Pty. Ltd.	35 Woomera Road AUS-5111 Edinburgh, South Australia	<ul style="list-style-type: none"> <li>▪ Automotive axles, suspensions and steering systems</li> </ul>	P
<b>South Africa</b>				
Rossllyn	ZF Lemförder SA (PTY) LTD	120 Doreen Avenue, Extension 1, SA-0200 Rossllyn	<ul style="list-style-type: none"> <li>▪ Axles</li> </ul>	P
Alberton	ZF Sachs South Africa (Pty.) Ltd.	18 Bentonite Street, Alrode Ext. 7 SA-1450 Alberton South Africa	<ul style="list-style-type: none"> <li>▪ Components and sub-assemblies and subsequent manufacturing and assembly of clutches</li> </ul>	P

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