

2. Formación

Título máximo obtenido:

Doctor

2.1. Títulos de grado.

Origen CVar: Formación académica > Nivel universitario de grado

Título	Año de obtención	Institución
Ingeniero Aeronáutico	2004	UNIVERSIDAD NACIONAL DE LA PLATA (UNLP)

2.2. Títulos de posgrado.

Origen CVar: Formación académica > Nivel universitario de posgrado

Especializaciones

Título	Año de obtención	Institución
No hay información disponible.		

Maestrías

Título	Año de obtención	Institución
Magister en Simulación Numérica y Control	2009	UNIVERSIDAD DE BUENOS AIRES (UBA)

Doctorados

Título	Año de obtención	Institución
Dottore di Ricerca in Fluidodinamica	2012	Politecnico di Torino

2.3. Otros títulos de nivel superior (formación técnica o terciaria).

Origen CVar: Formación académica > Nivel terciario no universitario

Título	Año de obtención	Institución
No hay información disponible.		

3. Área principal de desempeño profesional

Origen CVar: Antecedentes > Áreas de actuación

Áreas principales de actuación del docente.

Área	Subárea
CIENCIAS NATURALES Y EXACTAS - Ciencias Físicas	Física de los Fluidos y Plasma
INGENIERÍAS Y TECNOLOGÍAS - Otras Ingenierías y Tecnologías	Otras Ingenierías y Tecnologías
INGENIERÍAS Y TECNOLOGÍAS - Ingeniería del Medio Ambiente	Ingeniería del Petróleo, Energía y Combustibles

4. Docencia universitaria

4.1. Cargos docentes desempeñados.

Origen CVar: Cargos > Docencia > Nivel superior univesitario y/o posgrado

Acciones	Institución/Unidad académica	Cargo	Dedicación semanal	Designación	Fecha de inicio	Fecha de finalización
	FACULTAD DE INGENIERIA ; UNIVERSIDAD NACIONAL DE LA PLATA	Profesor adjunto	40 horas o más	Rentado	1/6/2016	
	FAC DE INGENIERIA ; INSTITUTO TECNOLÓGICO DE BUENOS AIRES	Profesor adjunto	De 0 hasta 19 horas	Rentado	2/3/2015	
	FACULTAD DE INGENIERIA ; UNIVERSIDAD NACIONAL DE LA PLATA	Profesor adjunto	40 horas o más	Rentado	1/4/2014	31/5/2016
	FACULTAD DE INGENIERIA ; UNIVERSIDAD NACIONAL DE LA PLATA	Jefe de trabajos prácticos	De 0 hasta 19 horas	Rentado	1/10/2010	1/4/2014
	FACULTAD DE INGENIERIA ; UNIVERSIDAD NACIONAL DE LA PLATA	Ayudante diplomado	40 horas o más	Rentado	1/4/2009	1/4/2014
	FACULTAD DE INGENIERIA ; UNIVERSIDAD NACIONAL DE LA PLATA	Ayudante diplomado	De 20 hasta 39 horas	Rentado	1/9/2007	1/4/2009
	FACULTAD DE INGENIERIA ; UNIVERSIDAD NACIONAL DE LA PLATA	Ayudante diplomado	De 20 hasta 39 horas	Rentado	1/6/2005	1/9/2007
	FACULTAD DE INGENIERIA ; UNIVERSIDAD NACIONAL DE LA PLATA	Ayudante diplomado	De 0 hasta 19 horas	Rentado	1/3/2005	1/4/2009

4.2. Dirección de tesis, tesinas y trabajos finales.

Origen CVar: Antecedentes > Formación de recursos humanos en CyT > Tesistas

Cantidad total de tesis doctorales dirigidas y concluidas en los últimos 5 años.

Cantidad de tesis doctorales que dirige actualmente.

Cantidad total de tesis de maestría dirigidas y concluidas en los últimos 5 años.

Cantidad de tesis de maestría que dirige actualmente.

Cantidad de tesinas y trabajos finales dirigidas y concluidas en los últimos 5 años.

Cantidad de tesinas y trabajos finales que dirige actualmente.

5. Experiencia en gestión académica

5.1. Cargos en gestión. Completar un cuadro por cada uno de los cargos desempeñados.

Origen CVar: Cargos > Cargos en gestión institucional

Fecha de inicio	Fecha de finalización	Institución	Cargo	Función	Dedicación semanal
17/5/2010	10/5/2011	FACULTAD DE INGENIERIA ; UNIVERSIDAD NACIONAL DE LA PLATA	Otro	Ejecutiva/Directiva	40 horas o más
11/5/2011	29/2/2012	FACULTAD DE INGENIERIA ; UNIVERSIDAD NACIONAL DE LA PLATA	Otro	Ejecutiva/Directiva	40 horas o más
1/9/2004	1/6/2005	DEPARTAMENTO DE INGENIERIA AEROESPACIAL ; FACULTAD DE INGENIERIA ; UNIVERSIDAD NACIONAL DE LA PLATA	Otro	Ejecutiva/Directiva	40 horas o más
1/6/2005	31/5/2007	DEPARTAMENTO DE INGENIERIA AEROESPACIAL ; FACULTAD DE INGENIERIA ; UNIVERSIDAD NACIONAL DE LA PLATA	Director	Ejecutiva/Directiva	40 horas o más
1/4/2018	31/3/2022	FACULTAD DE INGENIERIA ; UNIVERSIDAD NACIONAL DE LA PLATA	Otro	Ejecutiva/Directiva	De 0 hasta 19 horas

6. Desempeño en el ámbito no universitario

6.1. Desempeños no académicos

Origen CVar: Antecedentes > Otras actividades CyT > Ejercicio de la profesión en el ámbito no académico

Acciones	Institución	Cargo/Función	Otro Cargo/Función	Fecha de inicio	Fecha de finalización	Disciplina
	GRUPO DE ENSAYOS MECÁNICOS APLICADOS	Otro (especificar)	Responsable térmico	1/3/2014		Arquitectura, ingeniería y afines
	INVAP S.E.	Otro (especificar)	Responsable de modelo térmico global	1/3/2012	1/2/2013	Arquitectura, ingeniería y afines
	GRUPO DE ENSAYOS MECÁNICOS APLICADOS	Otro (especificar)	Analista	1/3/2011		Arquitectura, ingeniería y afines

7. Antecedentes en investigación científico-tecnológica

7.1. Indicar su pertenencia a sistemas de promoción de la investigación científico-tecnológica.

Origen CVar: Cargos > Docencia > Categorización en organismos científico-tecnológicos / del programa de incentivos

CONICET☐

Programa de Incentivos☒

* Categoría:

Categoría III

Otras categorizaciones obtenidas.

Origen CVar: Cargos > Docencia > Cargos de I+D en otro tipo de instituciones

Institución ú organismo	Categoría
No hay información disponible.	

7.2. Proyectos de investigación.

Origen CVar: Antecedentes > Financiamiento científico y tecnológico

Proyectos de investigación en los que ha participado.

Acciones	Fecha de inicio	Fecha de finalización	Título del proyecto	Carácter de la participación
	1/8/2005	1/8/2007	PROALAR 2005 - Investigación del control dinámico de cargas alares mediante mini flaps Gurney	Investigador
	1/6/2021	1/5/2024	Efectos de erosión, suciedad y hielo en palas de aerogeneradores	Investigador
	1/5/2014	1/5/2017	Estudio experimental de dispositivos para la optimización de palas para aerogeneradores	Investigador
	1/4/2006	1/3/2009	Diseño de un Simulador de Vuelo	Investigador
	1/1/2020	1/12/2024	ESTUDIO NUMÉRICO DE LOS EFECTOS DE EROSIÓN, SUCIEDAD Y HIELO EN PERFILES Y PALAS DE TURBINAS EÓLICAS	Investigador
	1/1/2018	1/12/2021	Diseño de una segunda etapa de un lanzador propulsada por motor cohete alimentado por electrobombas	Investigador
	1/1/2014	1/12/2017	Ingeniería de un Vehículo Lanzador Experimental (I-198)	Investigador
	1/1/2011	1/3/2015	Estudio experimental del efecto de doble pérdida en perfiles aerodinámicos en condiciones de flujo turbulento	Investigador

	1/1/2011	1/12/2012	Influencia de dispositivos activos de control de flujo en la eficiencia aerodinámica de perfiles de bajo Reynolds	Investigador
	1/1/2010	1/12/2013	Diseño Conceptual de Vehículo Lanzador (I-141)	Investigador

Página 1 de 2 (13 ítems) < [1] 2 >

7.3. Principales productos de los últimos 5 años.

7.3.1. Principales productos obtenidos en los siguientes tipos.

Origen CVar: Producción > Producción científica

a) Publicaciones en revistas.

Acciones	Tipo	Título	Revista	Año	Volumen	Página inicial	Página final
	Con Referato	Static wind loads on rigid roof model with complex hyperbolic geometry	WIND AND STRUCTURES	2021	33	187	199
	Con Referato	EXPERIMENTAL STUDY OF THE EFFECT OF THE WAKE GENERATED BY OSCILLATING GURNEY FLAP	LATIN AMERICAN APPLIED RESEARCH	2019	49	289	296
	Con Referato	Three-dimensional flow features in a nominally two-dimensional rectangular cavity	PHYSICS OF FLUIDS	2013	25	9710101	9710120
	Sin Referato	Three-dimensional Structures in nominally two-dimensional cavity flows	Atti della Accademia delle Scienze di Torino	2012	146	1	19
	Con Referato	Control of Cavity Flow Oscillations by High Frequency Forcing	JOURNAL OF FLUIDS ENGINEERING-TRANSACTIONS OF THE ASME	2012	134	51201	51212
	Con Referato	Experimental Study on Vortex Generators Effects on Low Reynolds Number Airfoils in Turbulent Flow	International Journal of Aerodynamics	2012	2	50	60
	Con Referato	Finite Volume Simulation of 2-D and 3-D Non-Stationary Magnetogasdynamic Flow	LATIN AMERICAN APPLIED RESEARCH	2011	41	191	198
	Sin Referato	Cavity Flow Control by a Rod in Cross-Flow	Atti della Accademia dell Scienze di Torino	2010	144	81	90

	Con Referato	Lift and Drag Coefficients Behaviour at Low Reynolds Number in an Airfoil with Miniflap Gurney Submitted to a Turbulent Flow. Part 2	LATIN AMERICAN APPLIED RESEARCH	2010	40	75	80
	Con Referato	Análisis de Dispositivos de Hipersustentación para alas tipo Delta en vehículos de reentrada inmersos en flujo turbulento	Revista Latinoamericana de Ciencia y Tecnología	2007	4	41	49

Página 1 de 2 (12 ítems) < [1] 2 >

b) Partes de libros.

Acciones	Tipo de parte	Título de la parte	Título del libro	Año	Editorial	Lugar de impresión	Páginas	Página inicial	Página final
No hay información disponible.									

c) Libros.

Acciones	Título del libro	Editorial	Lugar de impresión	Año	Páginas
No hay información disponible.					

7.3.2. Resultados pasibles de ser protegidos a través de instrumentos de propiedad intelectual como patentes, derechos de autor, etc., y desarrollos que no pueden ser protegidos por instrumentos de propiedad intelectual como las tecnologías organizacionales u otros.

Origen CVar: Producción > Producción tecnológica

a) Títulos de propiedad intelectual.

Fecha de solicitud	Fecha de otorgamiento	Desarrollo o producto	Titular
		CÁLCULO NUMÉRICO DEL CAMPO ACÚSTICO ALREDEDOR DE UN VEHÍCULO LANZADOR	
		ANÁLISIS TÉRMICO DE TANQUES DE LOx DEL Vex5A - ESTRATIFICACIÓN Y VENTEO	
		CÁLCULO NUMÉRICO DEL CAMPO ACÚSTICO ALREDEDOR DE UN VEHÍCULO LANZADOR	
		CÁLCULO DE LA PÉRDIDA DE CARGA EN LAS LÍNEAS DE PROPELENTES. PRIMERA ETAPA VEX5C	
		CÁLCULO DE LA PÉRDIDA DE CARGA EN LAS LÍNEAS DE PRESURIZACIÓN. PRIMERA ETAPA VEX5B	

b) Desarrollos no pasibles de ser protegidos por títulos de propiedad intelectual.

Producto	Descripción

ANÁLISIS TÉRMICO DE TANQUES DE LOx DEL VEx5A - ESTRATIFICACIÓN Y VENTEO

```
<!--[if gte mso 9]><xml> <o:OfficeDocumentSettings> <o:RelyOnVML/>
<o:AllowPNG/> </o:OfficeDocumentSettings></xml><![endif]--><span
style="font-size: 12pt; font-family: &quot;Times New Roman&quot;; serif;"
lang="en">Enel presente documento se realiza el cálculo térmico para
determinar la variación de temperatura del LOx en el tanque y la cantidad de
LOx evaporada que deberá ser venteadada. También se calculará la variación
de presión en el interior del tanque.</span><!--[if gte mso 9]><xml>
<w:WordDocument> <w:View>Normal</w:View> <w:Zoom>0</w:Zoom>
<w:TrackMoves/> <w:TrackFormatting/> <w:PunctuationKerning/>
<w:ValidateAgainstSchemas/>
<w:SaveIfXMLInvalid>false</w:SaveIfXMLInvalid>
<w:IgnoreMixedContent>false</w:IgnoreMixedContent>
<w:AlwaysShowPlaceholderText>false</w:AlwaysShowPlaceholderText>
<w:DoNotPromoteQF/> <w:LidThemeOther>EN-US</w:LidThemeOther>
<w:LidThemeAsian>X-NONE</w:LidThemeAsian>
<w:LidThemeComplexScript>X-NONE</w:LidThemeComplexScript>
<w:Compatibility> <w:BreakWrappedTables/> <w:SnapToGridInCell/>
<w:WrapTextWithPunct/> <w:UseAsianBreakRules/>
<w:DontGrowAutofit/> <w:SplitPgBreakAndParaMark/>
<w:EnableOpenTypeKerning/> <w:DontFlipMirrorIndents/>
<w:OverrideTableStyleHps/> <w:UseFELayout/> </w:Compatibility>
<m:mathPr> <m:mathFont m:val="Cambria Math"/> <m:brkBin
m:val="before"/> <m:brkBinSub m:val="&#45;"/> <m:smallFrac
m:val="off"/> <m:dispDef/> <m:Margin m:val="0"/> <m:Margin
m:val="0"/> <m:defJc m:val="centerGroup"/> <m:wrapIndent
m:val="1440"/> <m:intLim m:val="subSup"/> <m:naryLim
m:val="undOvr"/> </m:mathPr></w:WordDocument></xml><![endif]-->
<!--[if gte mso 9]><xml> <w:LatentStyles DefLockedState="false"
DefUnhideWhenUsed="false" DefSemiHidden="false" DefQFormat="false"
DefPriority="99" LatentStyleCount="374"> <w:LsdException Locked="false"
Priority="0" QFormat="true" Name="Normal"/> <w:LsdException
Locked="false" Priority="9" QFormat="true" Name="heading 1"/>
<w:LsdException Locked="false" Priority="9" SemiHidden="true"
UnhideWhenUsed="true" QFormat="true" Name="heading 2"/>
<w:LsdException Locked="false" Priority="9" SemiHidden="true"
UnhideWhenUsed="true" QFormat="true" Name="heading 3"/>
<w:LsdException Locked="false" Priority="9" SemiHidden="true"
UnhideWhenUsed="true" QFormat="true" Name="heading 4"/>
<w:LsdException Locked="false" Priority="9" SemiHidden="true"
UnhideWhenUsed="true" QFormat="true" Name="heading 5"/>
<w:LsdException Locked="false" Priority="9" SemiHidden="true"
UnhideWhenUsed="true" QFormat="true" Name="heading 6"/>
<w:LsdException Locked="false" Priority="9" SemiHidden="true"
UnhideWhenUsed="true" QFormat="true" Name="heading 7"/>
<w:LsdException Locked="false" Priority="9" SemiHidden="true"
UnhideWhenUsed="true" QFormat="true" Name="heading 8"/>
<w:LsdException Locked="false" Priority="9" SemiHidden="true"
UnhideWhenUsed="true" QFormat="true" Name="heading 9"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="index 1"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="index
2"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="index 3"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="index
4"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="index 5"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="index
6"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="index 7"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="index
8"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="index 9"/> <w:LsdException
Locked="false" Priority="39" SemiHidden="true" UnhideWhenUsed="true"
Name="toc 1"/> <w:LsdException Locked="false" Priority="39"
SemiHidden="true" UnhideWhenUsed="true" Name="toc 2"/>
<w:LsdException Locked="false" Priority="39" SemiHidden="true"
UnhideWhenUsed="true" Name="toc 3"/> <w:LsdException Locked="false"
Priority="39" SemiHidden="true" UnhideWhenUsed="true" Name="toc 4"/>
<w:LsdException Locked="false" Priority="39" SemiHidden="true"
UnhideWhenUsed="true" Name="toc 5"/> <w:LsdException Locked="false"
Priority="39" SemiHidden="true" UnhideWhenUsed="true" Name="toc 6"/>
<w:LsdException Locked="false" Priority="39" SemiHidden="true"
UnhideWhenUsed="true" Name="toc 7"/> <w:LsdException Locked="false"
Priority="39" SemiHidden="true" UnhideWhenUsed="true" Name="toc 8"/>
<w:LsdException Locked="false" Priority="39" SemiHidden="true"
UnhideWhenUsed="true" Name="toc 9"/> <w:LsdException Locked="false"
SemiHidden="true" UnhideWhenUsed="true" Name="Normal Indent"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="footnote text"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true"
Name="annotation text"/> <w:LsdException Locked="false"
SemiHidden="true" UnhideWhenUsed="true" Name="header"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="footer"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="index
```

heading"/> <w:LsdException Locked="false" Priority="35" SemiHidden="true" UnhideWhenUsed="true" QFormat="true" Name="caption"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="table of figures"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="envelope address"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="envelope return"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="footnote reference"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="annotation reference"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="line number"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="page number"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="endnote reference"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="endnote text"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="table of authorities"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="macro"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="toa heading"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Bullet"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Number"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List 4"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List 5"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Bullet 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Bullet 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Bullet 4"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Bullet 5"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Number 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Number 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Number 4"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Number 5"/> <w:LsdException Locked="false" Priority="10" QFormat="true" Name="Title"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Closing"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Signature"/> <w:LsdException Locked="false" Priority="1" SemiHidden="true" UnhideWhenUsed="true" Name="Default Paragraph Font"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text Indent"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Continue"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Continue 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Continue 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Continue 4"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Continue 5"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Message Header"/> <w:LsdException Locked="false" Priority="11" QFormat="true" Name="Subtitle"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Salutation"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Date"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text First Indent"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text First Indent 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Note Heading"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text Indent 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text Indent 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Block Text"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Hyperlink"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="FollowedHyperlink"/> <w:LsdException Locked="false" Priority="22" QFormat="true" Name="Strong"/> <w:LsdException Locked="false" Priority="20" QFormat="true" Name="Emphasis"/> <w:LsdException

```
Locked="false" SemiHidden="true" UnhideWhenUsed="true"
Name="Document Map"/> <w:LsdException Locked="false"
SemiHidden="true" UnhideWhenUsed="true" Name="Plain Text"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="E-mail Signature"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML
Top of Form"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="HTML Bottom of Form"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Normal (Web)"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML
Acronym"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="HTML Address"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML
Cite"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="HTML Code"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML
Definition"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="HTML Keyboard"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML
Preformatted"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="HTML Sample"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML
Typewriter"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="HTML Variable"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true"
Name="Normal Table"/> <w:LsdException Locked="false"
SemiHidden="true" UnhideWhenUsed="true" Name="annotation subject"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="No List"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Outline
List 1"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Outline List 2"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Outline
List 3"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Simple 1"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Simple 2"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Simple 3"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Classic 1"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Classic 2"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Classic 3"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Classic 4"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Colorful 1"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Colorful 2"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Colorful 3"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Columns 1"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Columns 2"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Columns 3"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Columns 4"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Columns 5"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Grid 1"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Grid 2"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Grid 3"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Grid 4"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Grid 5"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Grid 6"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Grid 7"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Grid 8"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
List 1"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table List 2"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
List 3"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table List 4"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
List 5"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table List 6"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
List 7"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table List 8"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
3D effects 1"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table 3D effects 2"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
3D effects 3"/> <w:LsdException Locked="false" SemiHidden="true"
```

UnhideWhenUsed="true" Name="Table Contemporary"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Elegant"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Professional"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Subtle 1"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Subtle 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Web 1"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Web 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Web 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Balloon Text"/> <w:LsdException Locked="false" Priority="39" Name="Table Grid"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Theme"/> <w:LsdException Locked="false" SemiHidden="true" Name="Placeholder Text"/> <w:LsdException Locked="false" Priority="1" QFormat="true" Name="No Spacing"/> <w:LsdException Locked="false" Priority="60" Name="Light Shading"/> <w:LsdException Locked="false" Priority="61" Name="Light List"/> <w:LsdException Locked="false" Priority="62" Name="Light Grid"/> <w:LsdException Locked="false" Priority="63" Name="Medium Shading 1"/> <w:LsdException Locked="false" Priority="64" Name="Medium Shading 2"/> <w:LsdException Locked="false" Priority="65" Name="Medium List 1"/> <w:LsdException Locked="false" Priority="66" Name="Medium List 2"/> <w:LsdException Locked="false" Priority="67" Name="Medium Grid 1"/> <w:LsdException Locked="false" Priority="68" Name="Medium Grid 2"/> <w:LsdException Locked="false" Priority="69" Name="Medium Grid 3"/> <w:LsdException Locked="false" Priority="70" Name="Dark List"/> <w:LsdException Locked="false" Priority="71" Name="Colorful Shading"/> <w:LsdException Locked="false" Priority="72" Name="Colorful List"/> <w:LsdException Locked="false" Priority="73" Name="Colorful Grid"/> <w:LsdException Locked="false" Priority="60" Name="Light Shading Accent 1"/> <w:LsdException Locked="false" Priority="61" Name="Light List Accent 1"/> <w:LsdException Locked="false" Priority="62" Name="Light Grid Accent 1"/> <w:LsdException Locked="false" Priority="63" Name="Medium Shading 1 Accent 1"/> <w:LsdException Locked="false" Priority="64" Name="Medium Shading 2 Accent 1"/> <w:LsdException Locked="false" Priority="65" Name="Medium List 1 Accent 1"/> <w:LsdException Locked="false" SemiHidden="true" Name="Revision"/> <w:LsdException Locked="false" Priority="34" QFormat="true" Name="List Paragraph"/> <w:LsdException Locked="false" Priority="29" QFormat="true" Name="Quote"/> <w:LsdException Locked="false" Priority="30" QFormat="true" Name="Intense Quote"/> <w:LsdException Locked="false" Priority="66" Name="Medium List 2 Accent 1"/> <w:LsdException Locked="false" Priority="67" Name="Medium Grid 1 Accent 1"/> <w:LsdException Locked="false" Priority="68" Name="Medium Grid 2 Accent 1"/> <w:LsdException Locked="false" Priority="69" Name="Medium Grid 3 Accent 1"/> <w:LsdException Locked="false" Priority="70" Name="Dark List Accent 1"/> <w:LsdException Locked="false" Priority="71" Name="Colorful Shading Accent 1"/> <w:LsdException Locked="false" Priority="72" Name="Colorful List Accent 1"/> <w:LsdException Locked="false" Priority="73" Name="Colorful Grid Accent 1"/> <w:LsdException Locked="false" Priority="60" Name="Light Shading Accent 2"/> <w:LsdException Locked="false" Priority="61" Name="Light List Accent 2"/> <w:LsdException Locked="false" Priority="62" Name="Light Grid Accent 2"/> <w:LsdException Locked="false" Priority="63" Name="Medium Shading 1 Accent 2"/> <w:LsdException Locked="false" Priority="64" Name="Medium Shading 2 Accent 2"/> <w:LsdException Locked="false" Priority="65" Name="Medium List 1 Accent 2"/> <w:LsdException Locked="false" Priority="66" Name="Medium List 2 Accent 2"/> <w:LsdException Locked="false" Priority="67" Name="Medium Grid 1 Accent 2"/> <w:LsdException Locked="false" Priority="68" Name="Medium Grid 2 Accent 2"/> <w:LsdException Locked="false" Priority="69" Name="Medium Grid 3 Accent 2"/> <w:LsdException Locked="false" Priority="70" Name="Dark List Accent 2"/> <w:LsdException Locked="false" Priority="71" Name="Colorful Shading Accent 2"/> <w:LsdException Locked="false" Priority="72" Name="Colorful List Accent 2"/> <w:LsdException Locked="false" Priority="73" Name="Colorful Grid Accent 2"/> <w:LsdException Locked="false" Priority="60" Name="Light Shading Accent 3"/> <w:LsdException Locked="false" Priority="61" Name="Light List Accent 3"/> <w:LsdException Locked="false" Priority="62" Name="Light Grid Accent 3"/> <w:LsdException Locked="false" Priority="63" Name="Medium Shading 1 Accent 3"/> <w:LsdException Locked="false" Priority="64" Name="Medium Shading 2 Accent 3"/> <w:LsdException Locked="false" Priority="65" Name="Medium List 1 Accent 3"/> <w:LsdException Locked="false" Priority="66" Name="Medium List 2 Accent 3"/> <w:LsdException Locked="false" Priority="67" Name="Medium Grid 1 Accent 3"/> <w:LsdException Locked="false" Priority="68" Name="Medium Grid 2 Accent 3"/> <w:LsdException Locked="false" Priority="69" Name="Medium Grid 3 Accent 3"/> <w:LsdException Locked="false" Priority="70" Name="Dark List Accent 3"/> <w:LsdException Locked="false" Priority="71" Name="Colorful Shading Accent 3"/> <w:LsdException Locked="false" Priority="72" Name="Colorful List Accent 3"/> <w:LsdException Locked="false" Priority="73" Name="Colorful Grid Accent 3"/>

Accent 3"/> <w:LsdException Locked="false" Priority="60" Name="Light Shading Accent 4"/> <w:LsdException Locked="false" Priority="61" Name="Light List Accent 4"/> <w:LsdException Locked="false" Priority="62" Name="Light Grid Accent 4"/> <w:LsdException Locked="false" Priority="63" Name="Medium Shading 1 Accent 4"/> <w:LsdException Locked="false" Priority="64" Name="Medium Shading 2 Accent 4"/> <w:LsdException Locked="false" Priority="65" Name="Medium List 1 Accent 4"/> <w:LsdException Locked="false" Priority="66" Name="Medium List 2 Accent 4"/> <w:LsdException Locked="false" Priority="67" Name="Medium Grid 1 Accent 4"/> <w:LsdException Locked="false" Priority="68" Name="Medium Grid 2 Accent 4"/> <w:LsdException Locked="false" Priority="69" Name="Medium Grid 3 Accent 4"/> <w:LsdException Locked="false" Priority="70" Name="Dark List Accent 4"/> <w:LsdException Locked="false" Priority="71" Name="Colorful Shading Accent 4"/> <w:LsdException Locked="false" Priority="72" Name="Colorful List Accent 4"/> <w:LsdException Locked="false" Priority="73" Name="Colorful Grid Accent 4"/> <w:LsdException Locked="false" Priority="60" Name="Light Shading Accent 5"/> <w:LsdException Locked="false" Priority="61" Name="Light List Accent 5"/> <w:LsdException Locked="false" Priority="62" Name="Light Grid Accent 5"/> <w:LsdException Locked="false" Priority="63" Name="Medium Shading 1 Accent 5"/> <w:LsdException Locked="false" Priority="64" Name="Medium Shading 2 Accent 5"/> <w:LsdException Locked="false" Priority="65" Name="Medium List 1 Accent 5"/> <w:LsdException Locked="false" Priority="66" Name="Medium List 2 Accent 5"/> <w:LsdException Locked="false" Priority="67" Name="Medium Grid 1 Accent 5"/> <w:LsdException Locked="false" Priority="68" Name="Medium Grid 2 Accent 5"/> <w:LsdException Locked="false" Priority="69" Name="Medium Grid 3 Accent 5"/> <w:LsdException Locked="false" Priority="70" Name="Dark List Accent 5"/> <w:LsdException Locked="false" Priority="71" Name="Colorful Shading Accent 5"/> <w:LsdException Locked="false" Priority="72" Name="Colorful List Accent 5"/> <w:LsdException Locked="false" Priority="73" Name="Colorful Grid Accent 5"/> <w:LsdException Locked="false" Priority="60" Name="Light Shading Accent 6"/> <w:LsdException Locked="false" Priority="61" Name="Light List Accent 6"/> <w:LsdException Locked="false" Priority="62" Name="Light Grid Accent 6"/> <w:LsdException Locked="false" Priority="63" Name="Medium Shading 1 Accent 6"/> <w:LsdException Locked="false" Priority="64" Name="Medium Shading 2 Accent 6"/> <w:LsdException Locked="false" Priority="65" Name="Medium List 1 Accent 6"/> <w:LsdException Locked="false" Priority="66" Name="Medium List 2 Accent 6"/> <w:LsdException Locked="false" Priority="67" Name="Medium Grid 1 Accent 6"/> <w:LsdException Locked="false" Priority="68" Name="Medium Grid 2 Accent 6"/> <w:LsdException Locked="false" Priority="69" Name="Medium Grid 3 Accent 6"/> <w:LsdException Locked="false" Priority="70" Name="Dark List Accent 6"/> <w:LsdException Locked="false" Priority="71" Name="Colorful Shading Accent 6"/> <w:LsdException Locked="false" Priority="72" Name="Colorful List Accent 6"/> <w:LsdException Locked="false" Priority="73" Name="Colorful Grid Accent 6"/> <w:LsdException Locked="false" Priority="19" QFormat="true" Name="Subtle Emphasis"/> <w:LsdException Locked="false" Priority="21" QFormat="true" Name="Intense Emphasis"/> <w:LsdException Locked="false" Priority="31" QFormat="true" Name="Subtle Reference"/> <w:LsdException Locked="false" Priority="32" QFormat="true" Name="Intense Reference"/> <w:LsdException Locked="false" Priority="33" QFormat="true" Name="Book Title"/> <w:LsdException Locked="false" Priority="37" SemiHidden="true" UnhideWhenUsed="true" Name="Bibliography"/> <w:LsdException Locked="false" Priority="39" SemiHidden="true" UnhideWhenUsed="true" QFormat="true" Name="TOC Heading"/> <w:LsdException Locked="false" Priority="41" Name="Plain Table 1"/> <w:LsdException Locked="false" Priority="42" Name="Plain Table 2"/> <w:LsdException Locked="false" Priority="43" Name="Plain Table 3"/> <w:LsdException Locked="false" Priority="44" Name="Plain Table 4"/> <w:LsdException Locked="false" Priority="45" Name="Plain Table 5"/> <w:LsdException Locked="false" Priority="40" Name="Grid Table Light"/> <w:LsdException Locked="false" Priority="46" Name="Grid Table 1 Light"/> <w:LsdException Locked="false" Priority="47" Name="Grid Table 2"/> <w:LsdException Locked="false" Priority="48" Name="Grid Table 3"/> <w:LsdException Locked="false" Priority="49" Name="Grid Table 4"/> <w:LsdException Locked="false" Priority="50" Name="Grid Table 5 Dark"/> <w:LsdException Locked="false" Priority="51" Name="Grid Table 6 Colorful"/> <w:LsdException Locked="false" Priority="52" Name="Grid Table 7 Colorful"/> <w:LsdException Locked="false" Priority="46" Name="Grid Table 1 Light Accent 1"/> <w:LsdException Locked="false" Priority="47" Name="Grid Table 2 Accent 1"/> <w:LsdException Locked="false" Priority="48" Name="Grid Table 3 Accent 1"/> <w:LsdException Locked="false" Priority="49" Name="Grid Table 4 Accent 1"/> <w:LsdException Locked="false" Priority="50" Name="Grid Table 5 Dark Accent 1"/> <w:LsdException Locked="false" Priority="51" Name="Grid Table 6 Colorful Accent 1"/> <w:LsdException Locked="false" Priority="52" Name="Grid Table 7 Colorful Accent 1"/> <w:LsdException Locked="false" Priority="46" Name="Grid Table 1 Light Accent 2"/> <w:LsdException Locked="false" Priority="47" Name="Grid Table 2 Accent 2"/> <w:LsdException Locked="false" Priority="48" Name="Grid Table 3 Accent 2"/> <w:LsdException Locked="false" Priority="49" Name="Grid Table 4

[illegible]

CÁLCULO DE LA PÉRDIDA DE CARGA EN LAS LÍNEAS DE PRESURIZACIÓN. PRIMERA ETAPA VEX5B

```
Priority="39" SemiHidden="true" UnhideWhenUsed="true" Name="toc 4"/>
<w:LsdException Locked="false" Priority="39" SemiHidden="true"
UnhideWhenUsed="true" Name="toc 5"/> <w:LsdException Locked="false"
Priority="39" SemiHidden="true" UnhideWhenUsed="true" Name="toc 6"/>
<w:LsdException Locked="false" Priority="39" SemiHidden="true"
UnhideWhenUsed="true" Name="toc 7"/> <w:LsdException Locked="false"
Priority="39" SemiHidden="true" UnhideWhenUsed="true" Name="toc 8"/>
<w:LsdException Locked="false" Priority="39" SemiHidden="true"
UnhideWhenUsed="true" Name="toc 9"/> <w:LsdException Locked="false"
SemiHidden="true" UnhideWhenUsed="true" Name="Normal Indent"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="footnote text"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true"
Name="annotation text"/> <w:LsdException Locked="false"
SemiHidden="true" UnhideWhenUsed="true" Name="header"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="footer"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="index
heading"/> <w:LsdException Locked="false" Priority="35"
SemiHidden="true" UnhideWhenUsed="true" QFormat="true"
Name="caption"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="table of figures"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true"
Name="envelope address"/> <w:LsdException Locked="false"
SemiHidden="true" UnhideWhenUsed="true" Name="envelope return"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="footnote reference"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true"
Name="annotation reference"/> <w:LsdException Locked="false"
SemiHidden="true" UnhideWhenUsed="true" Name="line number"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="page number"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true"
Name="endnote reference"/> <w:LsdException Locked="false"
SemiHidden="true" UnhideWhenUsed="true" Name="endnote text"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="table of authorities"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true"
Name="macro"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="toa heading"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="List Bullet"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List
Number"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="List 2"/> <w:LsdException Locked="false"
SemiHidden="true" UnhideWhenUsed="true" Name="List 3"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="List 4"/> <w:LsdException Locked="false"
SemiHidden="true" UnhideWhenUsed="true" Name="List 5"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="List Bullet 2"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List
Bullet 3"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="List Bullet 4"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List
Bullet 5"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="List Number 2"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List
Number 3"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="List Number 4"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List
Number 5"/> <w:LsdException Locked="false" Priority="10"
QFormat="true" Name="Title"/> <w:LsdException Locked="false"
SemiHidden="true" UnhideWhenUsed="true" Name="Closing"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Signature"/> <w:LsdException
Locked="false" Priority="1" SemiHidden="true" UnhideWhenUsed="true"
Name="Default Paragraph Font"/> <w:LsdException Locked="false"
SemiHidden="true" UnhideWhenUsed="true" Name="Body Text"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Body Text Indent"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List
Continue"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="List Continue 2"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List
Continue 3"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="List Continue 4"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List
Continue 5"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Message Header"/> <w:LsdException
Locked="false" Priority="11" QFormat="true" Name="Subtitle"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Salutation"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true"
Name="Date"/> <w:LsdException Locked="false" SemiHidden="true"
```

UnhideWhenUsed="true" Name="Body Text First Indent"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Body Text First Indent 2"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Note Heading"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body
Text 2"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Body Text 3"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body
Text Indent 2"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Body Text Indent 3"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Block
Text"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Hyperlink"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true"
Name="FollowedHyperlink"/> <w:LsdException Locked="false" Priority="22"
QFormat="true" Name="Strong"/> <w:LsdException Locked="false"
Priority="20" QFormat="true" Name="Emphasis"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true"
Name="Document Map"/> <w:LsdException Locked="false"
SemiHidden="true" UnhideWhenUsed="true" Name="Plain Text"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="E-mail Signature"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML
Top of Form"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="HTML Bottom of Form"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Normal (Web)"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML
Acronym"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="HTML Address"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML
Cite"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="HTML Code"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML
Definition"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="HTML Keyboard"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML
Preformatted"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="HTML Sample"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML
Typewriter"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="HTML Variable"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true"
Name="Normal Table"/> <w:LsdException Locked="false"
SemiHidden="true" UnhideWhenUsed="true" Name="annotation subject"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="No List"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Outline
List 1"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Outline List 2"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Outline
List 3"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Simple 1"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Simple 2"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Simple 3"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Classic 1"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Classic 2"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Classic 3"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Classic 4"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Colorful 1"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Colorful 2"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Colorful 3"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Columns 1"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Columns 2"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Columns 3"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Columns 4"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Columns 5"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Grid 1"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Grid 2"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Grid 3"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Grid 4"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Grid 5"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Grid 6"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Grid 7"/> <w:LsdException Locked="false" SemiHidden="true"

UnhideWhenUsed="true" Name="Table Grid 8"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table List 1"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table List 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table List 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table List 4"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table List 5"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table List 6"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table List 7"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table List 8"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table 3D effects 1"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table 3D effects 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table 3D effects 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Contemporary"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Elegant"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Professional"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Subtle 1"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Subtle 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Web 1"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Web 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Web 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Balloon Text"/> <w:LsdException Locked="false" Priority="39" Name="Table Grid"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Theme"/> <w:LsdException Locked="false" SemiHidden="true" Name="Placeholder Text"/> <w:LsdException Locked="false" Priority="1" QFormat="true" Name="No Spacing"/> <w:LsdException Locked="false" Priority="60" Name="Light Shading"/> <w:LsdException Locked="false" Priority="61" Name="Light List"/> <w:LsdException Locked="false" Priority="62" Name="Light Grid"/> <w:LsdException Locked="false" Priority="63" Name="Medium Shading 1"/> <w:LsdException Locked="false" Priority="64" Name="Medium Shading 2"/> <w:LsdException Locked="false" Priority="65" Name="Medium List 1"/> <w:LsdException Locked="false" Priority="66" Name="Medium List 2"/> <w:LsdException Locked="false" Priority="67" Name="Medium Grid 1"/> <w:LsdException Locked="false" Priority="68" Name="Medium Grid 2"/> <w:LsdException Locked="false" Priority="69" Name="Medium Grid 3"/> <w:LsdException Locked="false" Priority="70" Name="Dark List"/> <w:LsdException Locked="false" Priority="71" Name="Colorful Shading"/> <w:LsdException Locked="false" Priority="72" Name="Colorful List"/> <w:LsdException Locked="false" Priority="73" Name="Colorful Grid"/> <w:LsdException Locked="false" Priority="60" Name="Light Shading Accent 1"/> <w:LsdException Locked="false" Priority="61" Name="Light List Accent 1"/> <w:LsdException Locked="false" Priority="62" Name="Light Grid Accent 1"/> <w:LsdException Locked="false" Priority="63" Name="Medium Shading 1 Accent 1"/> <w:LsdException Locked="false" Priority="64" Name="Medium Shading 2 Accent 1"/> <w:LsdException Locked="false" Priority="65" Name="Medium List 1 Accent 1"/> <w:LsdException Locked="false" SemiHidden="true" Name="Revision"/> <w:LsdException Locked="false" Priority="34" QFormat="true" Name="List Paragraph"/> <w:LsdException Locked="false" Priority="29" QFormat="true" Name="Quote"/> <w:LsdException Locked="false" Priority="30" QFormat="true" Name="Intense Quote"/> <w:LsdException Locked="false" Priority="66" Name="Medium List 2 Accent 1"/> <w:LsdException Locked="false" Priority="67" Name="Medium Grid 1 Accent 1"/> <w:LsdException Locked="false" Priority="68" Name="Medium Grid 2 Accent 1"/> <w:LsdException Locked="false" Priority="69" Name="Medium Grid 3 Accent 1"/> <w:LsdException Locked="false" Priority="70" Name="Dark List Accent 1"/> <w:LsdException Locked="false" Priority="71" Name="Colorful Shading Accent 1"/> <w:LsdException Locked="false" Priority="72" Name="Colorful List Accent 1"/> <w:LsdException Locked="false" Priority="73" Name="Colorful Grid Accent 1"/> <w:LsdException Locked="false" Priority="60" Name="Light Shading Accent 2"/> <w:LsdException Locked="false" Priority="61" Name="Light List Accent 2"/> <w:LsdException Locked="false" Priority="62" Name="Light Grid Accent 2"/> <w:LsdException Locked="false" Priority="63" Name="Medium Shading 1 Accent 2"/> <w:LsdException Locked="false" Priority="64" Name="Medium Shading 2 Accent 2"/> <w:LsdException Locked="false" Priority="65" Name="Medium List 1 Accent 2"/> <w:LsdException Locked="false" Priority="66" Name="Medium List 2 Accent 2"/> <w:LsdException Locked="false" Priority="67" Name="Medium Grid 1 Accent 2"/> <w:LsdException Locked="false" Priority="68" Name="Medium Grid 2 Accent 2"/> <w:LsdException Locked="false" Priority="69" Name="Medium Grid 3 Accent 2"/> <w:LsdException Locked="false" Priority="70" Name="Dark List Accent 2"/> <w:LsdException Locked="false" Priority="71" Name="Colorful Shading Accent 2"/> <w:LsdException Locked="false"

[illegible]

[illegible]

Locked="false" Priority="52" Name="List Table 7 Colorful Accent 3"/>
<w:LsdException Locked="false" Priority="46" Name="List Table 1 Light
Accent 4"/> <w:LsdException Locked="false" Priority="47" Name="List
Table 2 Accent 4"/> <w:LsdException Locked="false" Priority="48"
Name="List Table 3 Accent 4"/> <w:LsdException Locked="false"
Priority="49" Name="List Table 4 Accent 4"/> <w:LsdException
Locked="false" Priority="50" Name="List Table 5 Dark Accent 4"/>
<w:LsdException Locked="false" Priority="51" Name="List Table 6 Colorful
Accent 4"/> <w:LsdException Locked="false" Priority="52" Name="List
Table 7 Colorful Accent 4"/> <w:LsdException Locked="false" Priority="46"
Name="List Table 1 Light Accent 5"/> <w:LsdException Locked="false"
Priority="47" Name="List Table 2 Accent 5"/> <w:LsdException
Locked="false" Priority="48" Name="List Table 3 Accent 5"/>
<w:LsdException Locked="false" Priority="49" Name="List Table 4 Accent
5"/> <w:LsdException Locked="false" Priority="50" Name="List Table 5
Dark Accent 5"/> <w:LsdException Locked="false" Priority="51"
Name="List Table 6 Colorful Accent 5"/> <w:LsdException Locked="false"
Priority="52" Name="List Table 7 Colorful Accent 5"/> <w:LsdException
Locked="false" Priority="46" Name="List Table 1 Light Accent 6"/>
<w:LsdException Locked="false" Priority="47" Name="List Table 2 Accent
6"/> <w:LsdException Locked="false" Priority="48" Name="List Table 3
Accent 6"/> <w:LsdException Locked="false" Priority="49" Name="List
Table 4 Accent 6"/> <w:LsdException Locked="false" Priority="50"
Name="List Table 5 Dark Accent 6"/> <w:LsdException Locked="false"
Priority="51" Name="List Table 6 Colorful Accent 6"/> <w:LsdException
Locked="false" Priority="52" Name="List Table 7 Colorful Accent 6"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Mention"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Smart
Hyperlink"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Hashtag"/> </w:LatentStyles></xml>
<![endif]--><!--[if gte mso 10]><style> /* Style Definitions */
table.MsoNormalTable{mso-style-name:"Table Normal";mso-tstyle-rowband-
size:0;mso-tstyle-colband-size:0;mso-style-noshow:yes;mso-style-
priority:99;mso-style-parent:"";mso-padding-alt:0in 5.4pt 0in 5.4pt;mso-para-
margin-top:0in;mso-para-margin-right:0in;mso-para-margin-
bottom:10.0pt;mso-para-margin-left:0in;line-height:115%;mso-
pagination:widow-orphan;font-size:11.0pt;font-family:"Calibri",sans-serif;mso-
ascii-font-family:Calibri;mso-ascii-theme-font:minor-latin;mso-hansi-font-
family:Calibri;mso-hansi-theme-font:minor-latin;mso-bidi-font-family:"Times
New Roman";mso-bidi-theme-font:minor-bidi;mso-ans-language:ES-
AR;}</style><![endif]-->

CÁLCULO DE LA PÉRDIDA DE CARGA EN LAS LÍNEAS DE PROPELENTES.
PRIMERA ETAPA VEX5C

<!--[if gte mso 9]><xml> <o:OfficeDocumentSettings> <o:RelyOnVML/>
<o:AllowPNG/> </o:OfficeDocumentSettings></xml><![endif]--><span
style="font-size: 12pt; font-family: "Times New Roman";serif;"
lang="en"> En el presente documento se realiza el cálculo de las pérdidas de
carga en las tuberías de propelentes entre los tanques y el motor.
<!--[if gte mso 9]><xml> <w:WordDocument>
<w:View>Normal</w:View> <w:Zoom>0</w:Zoom> <w:TrackMoves/>
<w:TrackFormatting/> <w:PunctuationKerning/>
<w:ValidateAgainstSchemas/>
<w:SaveIfXMLInvalid>false</w:SaveIfXMLInvalid>
<w:IgnoreMixedContent>false</w:IgnoreMixedContent>
<w:AlwaysShowPlaceholderText>false</w:AlwaysShowPlaceholderText>
<w:DoNotPromoteQF/> <w:LidThemeOther>ES-AR</w:LidThemeOther>
<w:LidThemeAsian>X-NONE</w:LidThemeAsian>
<w:LidThemeComplexScript>X-NONE</w:LidThemeComplexScript>
<w:Compatibility> <w:BreakWrappedTables/> <w:SnapToGridInCell/>
<w:WrapTextWithPunct/> <w:UseAsianBreakRules/>
<w:DontGrowAutofit/> <w:SplitPgBreakAndParaMark/>
<w:EnableOpenTypeKerning/> <w:DontFlipMirrorIndents/>
<w:OverrideTableStyleHps/> </w:Compatibility> <m:mathPr>
<m:mathFont m:val="Cambria Math"/> <m:brkBin m:val="before"/>
<m:brkBinSub m:val="--"/> <m:smallFrac m:val="off"/>
<m:dispDef/> <m:Margin m:val="0"/> <m:rMargin m:val="0"/> <m:defJc
m:val="centerGroup"/> <m:wrapIndent m:val="1440"/> <m:intLim
m:val="subSup"/> <m:naryLim m:val="undOvr"/> </m:mathPr>
</w:WordDocument></xml><![endif]--><!--[if gte mso 9]><xml>
<w:LatentStyles DefLockedState="false" DefUnhideWhenUsed="false"
DefSemiHidden="false" DefQFormat="false" DefPriority="99"
LatentStyleCount="374"> <w:LsdException Locked="false" Priority="0"
QFormat="true" Name="Normal"/> <w:LsdException Locked="false"
Priority="9" QFormat="true" Name="heading 1"/> <w:LsdException
Locked="false" Priority="9" SemiHidden="true" UnhideWhenUsed="true"
QFormat="true" Name="heading 2"/> <w:LsdException Locked="false"
Priority="9" SemiHidden="true" UnhideWhenUsed="true" QFormat="true"
Name="heading 3"/> <w:LsdException Locked="false" Priority="9"
SemiHidden="true" UnhideWhenUsed="true" QFormat="true"
Name="heading 4"/> <w:LsdException Locked="false" Priority="9"
SemiHidden="true" UnhideWhenUsed="true" QFormat="true"
Name="heading 5"/> <w:LsdException Locked="false" Priority="9"
SemiHidden="true" UnhideWhenUsed="true" QFormat="true"
Name="heading 6"/> <w:LsdException Locked="false" Priority="9"
SemiHidden="true" UnhideWhenUsed="true" QFormat="true"

Name="heading 7"/> <w:LsdException Locked="false" Priority="9" SemiHidden="true" UnhideWhenUsed="true" QFormat="true" Name="heading 8"/> <w:LsdException Locked="false" Priority="9" SemiHidden="true" UnhideWhenUsed="true" QFormat="true" Name="heading 9"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="index 1"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="index 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="index 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="index 4"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="index 5"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="index 6"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="index 7"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="index 8"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="index 9"/> <w:LsdException Locked="false" Priority="39" SemiHidden="true" UnhideWhenUsed="true" Name="toc 1"/> <w:LsdException Locked="false" Priority="39" SemiHidden="true" UnhideWhenUsed="true" Name="toc 2"/> <w:LsdException Locked="false" Priority="39" SemiHidden="true" UnhideWhenUsed="true" Name="toc 3"/> <w:LsdException Locked="false" Priority="39" SemiHidden="true" UnhideWhenUsed="true" Name="toc 4"/> <w:LsdException Locked="false" Priority="39" SemiHidden="true" UnhideWhenUsed="true" Name="toc 5"/> <w:LsdException Locked="false" Priority="39" SemiHidden="true" UnhideWhenUsed="true" Name="toc 6"/> <w:LsdException Locked="false" Priority="39" SemiHidden="true" UnhideWhenUsed="true" Name="toc 7"/> <w:LsdException Locked="false" Priority="39" SemiHidden="true" UnhideWhenUsed="true" Name="toc 8"/> <w:LsdException Locked="false" Priority="39" SemiHidden="true" UnhideWhenUsed="true" Name="toc 9"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Normal Indent"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="footnote text"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="annotation text"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="header"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="footer"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="index heading"/> <w:LsdException Locked="false" Priority="35" SemiHidden="true" UnhideWhenUsed="true" QFormat="true" Name="caption"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="table of figures"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="envelope address"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="envelope return"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="footnote reference"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="annotation reference"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="line number"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="page number"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="endnote reference"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="endnote text"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="table of authorities"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="macro"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="toa heading"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Bullet"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Number"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List 4"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List 5"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Bullet 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Bullet 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Bullet 4"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Bullet 5"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Number 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Number 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Number 4"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Number 5"/> <w:LsdException Locked="false" Priority="10"

QFormat="true" Name="Title"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Closing"/>
<w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Signature"/> <w:LsdException Locked="false" Priority="1" SemiHidden="true" UnhideWhenUsed="true" Name="Default Paragraph Font"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text"/>
<w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text Indent"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Continue"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Continue 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Continue 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Continue 4"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Continue 5"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Message Header"/> <w:LsdException Locked="false" Priority="11" QFormat="true" Name="Subtitle"/>
<w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Salutation"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Date"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text First Indent"/>
<w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text First Indent 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Note Heading"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text Indent 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text Indent 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Block Text"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Hyperlink"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="FollowedHyperlink"/> <w:LsdException Locked="false" Priority="22" QFormat="true" Name="Strong"/> <w:LsdException Locked="false" Priority="20" QFormat="true" Name="Emphasis"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Document Map"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Plain Text"/>
<w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="E-mail Signature"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML Top of Form"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML Bottom of Form"/>
<w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Normal (Web)"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML Acronym"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML Address"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML Cite"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML Code"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML Definition"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML Keyboard"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML Preformatted"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML Sample"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML Typewriter"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML Variable"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Normal Table"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="annotation subject"/>
<w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="No List"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Outline List 1"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Outline List 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Outline List 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Simple 1"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Simple 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Simple 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Classic 1"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Classic 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Classic 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Classic 4"/> <w:LsdException

Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Colorful 1"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Colorful 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Colorful 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Columns 1"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Columns 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Columns 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Columns 4"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Columns 5"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Grid 1"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Grid 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Grid 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Grid 4"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Grid 5"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Grid 6"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Grid 7"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Grid 8"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table List 1"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table List 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table List 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table List 4"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table List 5"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table List 6"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table List 7"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table List 8"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table 3D effects 1"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table 3D effects 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table 3D effects 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Contemporary"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Elegant"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Professional"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Subtle 1"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Subtle 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Web 1"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Web 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Web 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Balloon Text"/> <w:LsdException Locked="false" Priority="39" Name="Table Grid"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Theme"/> <w:LsdException Locked="false" SemiHidden="true" Name="Placeholder Text"/> <w:LsdException Locked="false" Priority="1" QFormat="true" Name="No Spacing"/> <w:LsdException Locked="false" Priority="60" Name="Light Shading"/> <w:LsdException Locked="false" Priority="61" Name="Light List"/> <w:LsdException Locked="false" Priority="62" Name="Light Grid"/> <w:LsdException Locked="false" Priority="63" Name="Medium Shading 1"/> <w:LsdException Locked="false" Priority="64" Name="Medium Shading 2"/> <w:LsdException Locked="false" Priority="65" Name="Medium List 1"/> <w:LsdException Locked="false" Priority="66" Name="Medium List 2"/> <w:LsdException Locked="false" Priority="67" Name="Medium Grid 1"/> <w:LsdException Locked="false" Priority="68" Name="Medium Grid 2"/> <w:LsdException Locked="false" Priority="69" Name="Medium Grid 3"/> <w:LsdException Locked="false" Priority="70" Name="Dark List"/> <w:LsdException Locked="false" Priority="71" Name="Colorful Shading"/> <w:LsdException Locked="false" Priority="72" Name="Colorful List"/> <w:LsdException Locked="false" Priority="73" Name="Colorful Grid"/> <w:LsdException Locked="false" Priority="60" Name="Light Shading Accent 1"/> <w:LsdException Locked="false" Priority="61" Name="Light List Accent 1"/> <w:LsdException Locked="false" Priority="62" Name="Light Grid Accent 1"/> <w:LsdException Locked="false" Priority="63" Name="Medium Shading 1 Accent 1"/> <w:LsdException Locked="false" Priority="64" Name="Medium Shading 2 Accent 1"/> <w:LsdException Locked="false" Priority="65" Name="Medium List 1 Accent 1"/> <w:LsdException Locked="false" SemiHidden="true" Name="Revision"/> <w:LsdException Locked="false" Priority="34" QFormat="true" Name="List Paragraph"/> <w:LsdException Locked="false" Priority="29" QFormat="true" Name="Quote"/> <w:LsdException Locked="false" Priority="30" QFormat="true" Name="Intense Quote"/> <w:LsdException Locked="false" Priority="66" Name="Medium List 2 Accent 1"/>

[illegible]

28 of 45

Table 1 Light Accent 1"/> <w:LsdException Locked="false" Priority="47" Name="List Table 2 Accent 1"/> <w:LsdException Locked="false" Priority="48" Name="List Table 3 Accent 1"/> <w:LsdException Locked="false" Priority="49" Name="List Table 4 Accent 1"/> <w:LsdException Locked="false" Priority="50" Name="List Table 5 Dark Accent 1"/> <w:LsdException Locked="false" Priority="51" Name="List Table 6 Colorful Accent 1"/> <w:LsdException Locked="false" Priority="52" Name="List Table 7 Colorful Accent 1"/> <w:LsdException Locked="false" Priority="46" Name="List Table 1 Light Accent 2"/> <w:LsdException Locked="false" Priority="47" Name="List Table 2 Accent 2"/> <w:LsdException Locked="false" Priority="48" Name="List Table 3 Accent 2"/> <w:LsdException Locked="false" Priority="49" Name="List Table 4 Accent 2"/> <w:LsdException Locked="false" Priority="50" Name="List Table 5 Dark Accent 2"/> <w:LsdException Locked="false" Priority="51" Name="List Table 6 Colorful Accent 2"/> <w:LsdException Locked="false" Priority="52" Name="List Table 7 Colorful Accent 2"/> <w:LsdException Locked="false" Priority="46" Name="List Table 1 Light Accent 3"/> <w:LsdException Locked="false" Priority="47" Name="List Table 2 Accent 3"/> <w:LsdException Locked="false" Priority="48" Name="List Table 3 Accent 3"/> <w:LsdException Locked="false" Priority="49" Name="List Table 4 Accent 3"/> <w:LsdException Locked="false" Priority="50" Name="List Table 5 Dark Accent 3"/> <w:LsdException Locked="false" Priority="51" Name="List Table 6 Colorful Accent 3"/> <w:LsdException Locked="false" Priority="52" Name="List Table 7 Colorful Accent 3"/> <w:LsdException Locked="false" Priority="46" Name="List Table 1 Light Accent 4"/> <w:LsdException Locked="false" Priority="47" Name="List Table 2 Accent 4"/> <w:LsdException Locked="false" Priority="48" Name="List Table 3 Accent 4"/> <w:LsdException Locked="false" Priority="49" Name="List Table 4 Accent 4"/> <w:LsdException Locked="false" Priority="50" Name="List Table 5 Dark Accent 4"/> <w:LsdException Locked="false" Priority="51" Name="List Table 6 Colorful Accent 4"/> <w:LsdException Locked="false" Priority="52" Name="List Table 7 Colorful Accent 4"/> <w:LsdException Locked="false" Priority="46" Name="List Table 1 Light Accent 5"/> <w:LsdException Locked="false" Priority="47" Name="List Table 2 Accent 5"/> <w:LsdException Locked="false" Priority="48" Name="List Table 3 Accent 5"/> <w:LsdException Locked="false" Priority="49" Name="List Table 4 Accent 5"/> <w:LsdException Locked="false" Priority="50" Name="List Table 5 Dark Accent 5"/> <w:LsdException Locked="false" Priority="51" Name="List Table 6 Colorful Accent 5"/> <w:LsdException Locked="false" Priority="52" Name="List Table 7 Colorful Accent 5"/> <w:LsdException Locked="false" Priority="46" Name="List Table 1 Light Accent 6"/> <w:LsdException Locked="false" Priority="47" Name="List Table 2 Accent 6"/> <w:LsdException Locked="false" Priority="48" Name="List Table 3 Accent 6"/> <w:LsdException Locked="false" Priority="49" Name="List Table 4 Accent 6"/> <w:LsdException Locked="false" Priority="50" Name="List Table 5 Dark Accent 6"/> <w:LsdException Locked="false" Priority="51" Name="List Table 6 Colorful Accent 6"/> <w:LsdException Locked="false" Priority="52" Name="List Table 7 Colorful Accent 6"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Mention"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Smart Hyperlink"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Hashtag"/> </w:LatentStyles></xml><![endif]--><!--[if gte mso 10]><style> /* Style Definitions */ table.MsoNormalTable{mso-style-name:"Table Normal";mso-tstyle-rowband-size:0;mso-tstyle-colband-size:0;mso-style-noshow:yes;mso-style-priority:99;mso-style-parent:"";mso-padding-alt:0in 5.4pt 0in 5.4pt;mso-para-margin-top:0in;mso-para-margin-right:0in;mso-para-margin-bottom:10.0pt;mso-para-margin-left:0in;line-height:115%;mso-pagination:widow-orphan;font-size:11.0pt;font-family:"Calibri",sans-serif;mso-ascii-font-family:Calibri;mso-ascii-theme-font:minor-latin;mso-hansi-font-family:Calibri;mso-hansi-theme-font:minor-latin;mso-bidi-font-family:"Times New Roman";mso-bidi-theme-font:minor-bidi;mso-ans-language:ES-AR;}</style><![endif]-->

CÁLCULO NUMÉRICO DEL CAMPO ACÚSTICO ALREDEDOR DE UN VEHÍCULO LANZADOR

<!--[if gte mso 9]><xml> <o:OfficeDocumentSettings> <o:RelyOnVML/> <o:AllowPNG/> </o:OfficeDocumentSettings></xml><![endif]-->En el presente documento se realiza unaintroducción al cálculo del campo acústico alrededor de un vehículo lanzador<!--[if gte mso 9]><xml> <w:WordDocument> <w:View>Normal</w:View> <w:Zoom>0</w:Zoom> <w:TrackMoves/> <w:TrackFormatting/> <w:PunctuationKerning/> <w:ValidateAgainstSchemas/> <w:SaveIfXMLInvalid>false</w:SaveIfXMLInvalid> <w:IgnoreMixedContent>false</w:IgnoreMixedContent> <w:AlwaysShowPlaceholderText>false</w:AlwaysShowPlaceholderText> <w:DoNotPromoteQF/> <w:LidThemeOther>ES</w:LidThemeOther> <w:LidThemeAsian>X-NONE</w:LidThemeAsian> <w:LidThemeComplexScript>X-NONE</w:LidThemeComplexScript> <w:Compatibility> <w:BreakWrappedTables/> <w:SnapToGridInCell/> <w:WrapTextWithPunct/> <w:UseAsianBreakRules/> <w:DontGrowAutofit/> <w:SplitPgBreakAndParaMark/> <w:EnableOpenTypeKerning/> <w:DontFlipMirrorIndents/>

```
<w:OverrideTableStyleHps/> <w:UseFELayout/> </w:Compatibility>
<m:mathPr> <m:mathFont m:val="Cambria Math"/> <m:brkBin
m:val="before"/> <m:brkBinSub m:val="&#45;-"/> <m:smallFrac
m:val="off"/> <m:dispDef/> <m:Margin m:val="0"/> <m:Margin
m:val="0"/> <m:defJc m:val="centerGroup"/> <m:wrapIndent
m:val="1440"/> <m:intLim m:val="subSup"/> <m:naryLim
m:val="undOvr"/> </m:mathPr></w:WordDocument></xml><![endif-->
<!--[f gte mso 9]><xml> <w:LatentStyles DefLockedState="false"
DefUnhideWhenUsed="false" DefSemiHidden="false" DefQFormat="false"
DefPriority="99" LatentStyleCount="374"> <w:LsdException Locked="false"
Priority="0" QFormat="true" Name="Normal"/> <w:LsdException
Locked="false" Priority="9" QFormat="true" Name="heading 1"/>
<w:LsdException Locked="false" Priority="9" SemiHidden="true"
UnhideWhenUsed="true" QFormat="true" Name="heading 2"/>
<w:LsdException Locked="false" Priority="9" SemiHidden="true"
UnhideWhenUsed="true" QFormat="true" Name="heading 3"/>
<w:LsdException Locked="false" Priority="9" SemiHidden="true"
UnhideWhenUsed="true" QFormat="true" Name="heading 4"/>
<w:LsdException Locked="false" Priority="9" SemiHidden="true"
UnhideWhenUsed="true" QFormat="true" Name="heading 5"/>
<w:LsdException Locked="false" Priority="9" SemiHidden="true"
UnhideWhenUsed="true" QFormat="true" Name="heading 6"/>
<w:LsdException Locked="false" Priority="9" SemiHidden="true"
UnhideWhenUsed="true" QFormat="true" Name="heading 7"/>
<w:LsdException Locked="false" Priority="9" SemiHidden="true"
UnhideWhenUsed="true" QFormat="true" Name="heading 8"/>
<w:LsdException Locked="false" Priority="9" SemiHidden="true"
UnhideWhenUsed="true" QFormat="true" Name="heading 9"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="index 1"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="index
2"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="index 3"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="index
4"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="index 5"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="index
6"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="index 7"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="index
8"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="index 9"/> <w:LsdException
Locked="false" Priority="39" SemiHidden="true" UnhideWhenUsed="true"
Name="toc 1"/> <w:LsdException Locked="false" Priority="39"
SemiHidden="true" UnhideWhenUsed="true" Name="toc 2"/>
<w:LsdException Locked="false" Priority="39" SemiHidden="true"
UnhideWhenUsed="true" Name="toc 3"/> <w:LsdException Locked="false"
Priority="39" SemiHidden="true" UnhideWhenUsed="true" Name="toc 4"/>
<w:LsdException Locked="false" Priority="39" SemiHidden="true"
UnhideWhenUsed="true" Name="toc 5"/> <w:LsdException Locked="false"
Priority="39" SemiHidden="true" UnhideWhenUsed="true" Name="toc 6"/>
<w:LsdException Locked="false" Priority="39" SemiHidden="true"
UnhideWhenUsed="true" Name="toc 7"/> <w:LsdException Locked="false"
Priority="39" SemiHidden="true" UnhideWhenUsed="true" Name="toc 8"/>
<w:LsdException Locked="false" Priority="39" SemiHidden="true"
UnhideWhenUsed="true" Name="toc 9"/> <w:LsdException Locked="false"
SemiHidden="true" UnhideWhenUsed="true" Name="Normal Indent"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="footnote text"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true"
Name="annotation text"/> <w:LsdException Locked="false"
SemiHidden="true" UnhideWhenUsed="true" Name="header"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="footer"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="index
heading"/> <w:LsdException Locked="false" Priority="35"
SemiHidden="true" UnhideWhenUsed="true" QFormat="true"
Name="caption"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="table of figures"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true"
Name="envelope address"/> <w:LsdException Locked="false"
SemiHidden="true" UnhideWhenUsed="true" Name="envelope return"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="footnote reference"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true"
Name="annotation reference"/> <w:LsdException Locked="false"
SemiHidden="true" UnhideWhenUsed="true" Name="line number"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="page number"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true"
Name="endnote reference"/> <w:LsdException Locked="false"
SemiHidden="true" UnhideWhenUsed="true" Name="endnote text"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="table of authorities"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true"
Name="macro"/> <w:LsdException Locked="false" SemiHidden="true"
```

UnhideWhenUsed="true" Name="toa heading"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List"/>
<w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Bullet"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Number"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List 4"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List 5"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Bullet 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Bullet 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Bullet 4"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Bullet 5"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Number 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Number 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Number 4"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Number 5"/> <w:LsdException Locked="false" Priority="10" QFormat="true" Name="Title"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Closing"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Signature"/> <w:LsdException Locked="false" Priority="1" SemiHidden="true" UnhideWhenUsed="true" Name="Default Paragraph Font"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text Indent"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Continue"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Continue 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Continue 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Continue 4"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Continue 5"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Message Header"/> <w:LsdException Locked="false" Priority="11" QFormat="true" Name="Subtitle"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Salutation"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Date"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text First Indent"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text First Indent 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Note Heading"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text Indent 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text Indent 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Block Text"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Hyperlink"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="FollowedHyperlink"/> <w:LsdException Locked="false" Priority="22" QFormat="true" Name="Strong"/> <w:LsdException Locked="false" Priority="20" QFormat="true" Name="Emphasis"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Document Map"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Plain Text"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="E-mail Signature"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML Top of Form"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML Bottom of Form"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Normal (Web)/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML Acronym"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML Address"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML Cite"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML Code"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML Definition"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML Keyboard"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML Preformatted"/> <w:LsdException Locked="false" SemiHidden="true"

UnhideWhenUsed="true" Name="HTML Sample"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML Typewriter"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML Variable"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Normal Table"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="annotation subject"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="No List"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Outline List 1"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Outline List 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Outline List 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Simple 1"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Simple 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Simple 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Classic 1"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Classic 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Classic 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Classic 4"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Colorful 1"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Colorful 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Colorful 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Columns 1"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Columns 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Columns 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Columns 4"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Columns 5"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Grid 1"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Grid 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Grid 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Grid 4"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Grid 5"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Grid 6"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Grid 7"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Grid 8"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table List 1"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table List 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table List 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table List 4"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table List 5"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table List 6"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table List 7"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table List 8"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table 3D effects 1"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table 3D effects 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table 3D effects 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Contemporary"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Elegant"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Professional"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Subtle 1"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Subtle 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Web 1"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Web 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Web 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Balloon Text"/> <w:LsdException Locked="false" Priority="39" Name="Table Grid"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Theme"/> <w:LsdException Locked="false" SemiHidden="true" Name="Placeholder Text"/> <w:LsdException Locked="false" Priority="1" QFormat="true" Name="No Spacing"/> <w:LsdException Locked="false" Priority="60" Name="Light Shading"/> <w:LsdException Locked="false" Priority="61" Name="Light List"/> <w:LsdException Locked="false" Priority="62" Name="Light Grid"/> <w:LsdException Locked="false"

33 of 45

Name="Medium Shading 1 Accent 5"/> <w:LsdException Locked="false" Priority="64" Name="Medium Shading 2 Accent 5"/> <w:LsdException Locked="false" Priority="65" Name="Medium List 1 Accent 5"/> <w:LsdException Locked="false" Priority="66" Name="Medium List 2 Accent 5"/> <w:LsdException Locked="false" Priority="67" Name="Medium Grid 1 Accent 5"/> <w:LsdException Locked="false" Priority="68" Name="Medium Grid 2 Accent 5"/> <w:LsdException Locked="false" Priority="69" Name="Medium Grid 3 Accent 5"/> <w:LsdException Locked="false" Priority="70" Name="Dark List Accent 5"/> <w:LsdException Locked="false" Priority="71" Name="Colorful Shading Accent 5"/> <w:LsdException Locked="false" Priority="72" Name="Colorful List Accent 5"/> <w:LsdException Locked="false" Priority="73" Name="Colorful Grid Accent 5"/> <w:LsdException Locked="false" Priority="60" Name="Light Shading Accent 6"/> <w:LsdException Locked="false" Priority="61" Name="Light List Accent 6"/> <w:LsdException Locked="false" Priority="62" Name="Light Grid Accent 6"/> <w:LsdException Locked="false" Priority="63" Name="Medium Shading 1 Accent 6"/> <w:LsdException Locked="false" Priority="64" Name="Medium Shading 2 Accent 6"/> <w:LsdException Locked="false" Priority="65" Name="Medium List 1 Accent 6"/> <w:LsdException Locked="false" Priority="66" Name="Medium List 2 Accent 6"/> <w:LsdException Locked="false" Priority="67" Name="Medium Grid 1 Accent 6"/> <w:LsdException Locked="false" Priority="68" Name="Medium Grid 2 Accent 6"/> <w:LsdException Locked="false" Priority="69" Name="Medium Grid 3 Accent 6"/> <w:LsdException Locked="false" Priority="70" Name="Dark List Accent 6"/> <w:LsdException Locked="false" Priority="71" Name="Colorful Shading Accent 6"/> <w:LsdException Locked="false" Priority="72" Name="Colorful List Accent 6"/> <w:LsdException Locked="false" Priority="73" Name="Colorful Grid Accent 6"/> <w:LsdException Locked="false" Priority="19" QFormat="true" Name="Subtle Emphasis"/> <w:LsdException Locked="false" Priority="21" QFormat="true" Name="Intense Emphasis"/> <w:LsdException Locked="false" Priority="31" QFormat="true" Name="Subtle Reference"/> <w:LsdException Locked="false" Priority="32" QFormat="true" Name="Intense Reference"/> <w:LsdException Locked="false" Priority="33" QFormat="true" Name="Book Title"/> <w:LsdException Locked="false" Priority="37" SemiHidden="true" UnhideWhenUsed="true" Name="Bibliography"/> <w:LsdException Locked="false" Priority="39" SemiHidden="true" UnhideWhenUsed="true" QFormat="true" Name="TOC Heading"/> <w:LsdException Locked="false" Priority="41" Name="Plain Table 1"/> <w:LsdException Locked="false" Priority="42" Name="Plain Table 2"/> <w:LsdException Locked="false" Priority="43" Name="Plain Table 3"/> <w:LsdException Locked="false" Priority="44" Name="Plain Table 4"/> <w:LsdException Locked="false" Priority="45" Name="Plain Table 5"/> <w:LsdException Locked="false" Priority="40" Name="Grid Table Light"/> <w:LsdException Locked="false" Priority="46" Name="Grid Table 1 Light"/> <w:LsdException Locked="false" Priority="47" Name="Grid Table 2"/> <w:LsdException Locked="false" Priority="48" Name="Grid Table 3"/> <w:LsdException Locked="false" Priority="49" Name="Grid Table 4"/> <w:LsdException Locked="false" Priority="50" Name="Grid Table 5 Dark"/> <w:LsdException Locked="false" Priority="51" Name="Grid Table 6 Colorful"/> <w:LsdException Locked="false" Priority="52" Name="Grid Table 7 Colorful"/> <w:LsdException Locked="false" Priority="46" Name="Grid Table 1 Light Accent 1"/> <w:LsdException Locked="false" Priority="47" Name="Grid Table 2 Accent 1"/> <w:LsdException Locked="false" Priority="48" Name="Grid Table 3 Accent 1"/> <w:LsdException Locked="false" Priority="49" Name="Grid Table 4 Accent 1"/> <w:LsdException Locked="false" Priority="50" Name="Grid Table 5 Dark Accent 1"/> <w:LsdException Locked="false" Priority="51" Name="Grid Table 6 Colorful Accent 1"/> <w:LsdException Locked="false" Priority="52" Name="Grid Table 7 Colorful Accent 1"/> <w:LsdException Locked="false" Priority="46" Name="Grid Table 1 Light Accent 2"/> <w:LsdException Locked="false" Priority="47" Name="Grid Table 2 Accent 2"/> <w:LsdException Locked="false" Priority="48" Name="Grid Table 3 Accent 2"/> <w:LsdException Locked="false" Priority="49" Name="Grid Table 4 Accent 2"/> <w:LsdException Locked="false" Priority="50" Name="Grid Table 5 Dark Accent 2"/> <w:LsdException Locked="false" Priority="51" Name="Grid Table 6 Colorful Accent 2"/> <w:LsdException Locked="false" Priority="52" Name="Grid Table 7 Colorful Accent 2"/> <w:LsdException Locked="false" Priority="46" Name="Grid Table 1 Light Accent 3"/> <w:LsdException Locked="false" Priority="47" Name="Grid Table 2 Accent 3"/> <w:LsdException Locked="false" Priority="48" Name="Grid Table 3 Accent 3"/> <w:LsdException Locked="false" Priority="49" Name="Grid Table 4 Accent 3"/> <w:LsdException Locked="false" Priority="50" Name="Grid Table 5 Dark Accent 3"/> <w:LsdException Locked="false" Priority="51" Name="Grid Table 6 Colorful Accent 3"/> <w:LsdException Locked="false" Priority="52" Name="Grid Table 7 Colorful Accent 3"/> <w:LsdException Locked="false" Priority="46" Name="Grid Table 1 Light Accent 4"/> <w:LsdException Locked="false" Priority="47" Name="Grid Table 2 Accent 4"/> <w:LsdException Locked="false" Priority="48" Name="Grid Table 3 Accent 4"/> <w:LsdException Locked="false" Priority="49" Name="Grid Table 4 Accent 4"/> <w:LsdException Locked="false" Priority="50" Name="Grid Table 5 Dark Accent 4"/> <w:LsdException Locked="false" Priority="51" Name="Grid Table 6 Colorful Accent 4"/> <w:LsdException Locked="false" Priority="52" Name="Grid Table 7 Colorful Accent 4"/> <w:LsdException Locked="false" Priority="46"

Name="Grid Table 1 Light Accent 5"/> <w:LsdException Locked="false" Priority="47" Name="Grid Table 2 Accent 5"/> <w:LsdException Locked="false" Priority="48" Name="Grid Table 3 Accent 5"/> <w:LsdException Locked="false" Priority="49" Name="Grid Table 4 Accent 5"/> <w:LsdException Locked="false" Priority="50" Name="Grid Table 5 Dark Accent 5"/> <w:LsdException Locked="false" Priority="51" Name="Grid Table 6 Colorful Accent 5"/> <w:LsdException Locked="false" Priority="52" Name="Grid Table 7 Colorful Accent 5"/> <w:LsdException Locked="false" Priority="46" Name="Grid Table 1 Light Accent 6"/> <w:LsdException Locked="false" Priority="47" Name="Grid Table 2 Accent 6"/> <w:LsdException Locked="false" Priority="48" Name="Grid Table 3 Accent 6"/> <w:LsdException Locked="false" Priority="49" Name="Grid Table 4 Accent 6"/> <w:LsdException Locked="false" Priority="50" Name="Grid Table 5 Dark Accent 6"/> <w:LsdException Locked="false" Priority="51" Name="Grid Table 6 Colorful Accent 6"/> <w:LsdException Locked="false" Priority="52" Name="Grid Table 7 Colorful Accent 6"/> <w:LsdException Locked="false" Priority="46" Name="List Table 1 Light"/> <w:LsdException Locked="false" Priority="47" Name="List Table 2"/> <w:LsdException Locked="false" Priority="48" Name="List Table 3"/> <w:LsdException Locked="false" Priority="49" Name="List Table 4"/> <w:LsdException Locked="false" Priority="50" Name="List Table 5 Dark"/> <w:LsdException Locked="false" Priority="51" Name="List Table 6 Colorful"/> <w:LsdException Locked="false" Priority="52" Name="List Table 7 Colorful"/> <w:LsdException Locked="false" Priority="46" Name="List Table 1 Light Accent 1"/> <w:LsdException Locked="false" Priority="47" Name="List Table 2 Accent 1"/> <w:LsdException Locked="false" Priority="48" Name="List Table 3 Accent 1"/> <w:LsdException Locked="false" Priority="49" Name="List Table 4 Accent 1"/> <w:LsdException Locked="false" Priority="50" Name="List Table 5 Dark Accent 1"/> <w:LsdException Locked="false" Priority="51" Name="List Table 6 Colorful Accent 1"/> <w:LsdException Locked="false" Priority="52" Name="List Table 7 Colorful Accent 1"/> <w:LsdException Locked="false" Priority="46" Name="List Table 1 Light Accent 2"/> <w:LsdException Locked="false" Priority="47" Name="List Table 2 Accent 2"/> <w:LsdException Locked="false" Priority="48" Name="List Table 3 Accent 2"/> <w:LsdException Locked="false" Priority="49" Name="List Table 4 Accent 2"/> <w:LsdException Locked="false" Priority="50" Name="List Table 5 Dark Accent 2"/> <w:LsdException Locked="false" Priority="51" Name="List Table 6 Colorful Accent 2"/> <w:LsdException Locked="false" Priority="52" Name="List Table 7 Colorful Accent 2"/> <w:LsdException Locked="false" Priority="46" Name="List Table 1 Light Accent 3"/> <w:LsdException Locked="false" Priority="47" Name="List Table 2 Accent 3"/> <w:LsdException Locked="false" Priority="48" Name="List Table 3 Accent 3"/> <w:LsdException Locked="false" Priority="49" Name="List Table 4 Accent 3"/> <w:LsdException Locked="false" Priority="50" Name="List Table 5 Dark Accent 3"/> <w:LsdException Locked="false" Priority="51" Name="List Table 6 Colorful Accent 3"/> <w:LsdException Locked="false" Priority="52" Name="List Table 7 Colorful Accent 3"/> <w:LsdException Locked="false" Priority="46" Name="List Table 1 Light Accent 4"/> <w:LsdException Locked="false" Priority="47" Name="List Table 2 Accent 4"/> <w:LsdException Locked="false" Priority="48" Name="List Table 3 Accent 4"/> <w:LsdException Locked="false" Priority="49" Name="List Table 4 Accent 4"/> <w:LsdException Locked="false" Priority="50" Name="List Table 5 Dark Accent 4"/> <w:LsdException Locked="false" Priority="51" Name="List Table 6 Colorful Accent 4"/> <w:LsdException Locked="false" Priority="52" Name="List Table 7 Colorful Accent 4"/> <w:LsdException Locked="false" Priority="46" Name="List Table 1 Light Accent 5"/> <w:LsdException Locked="false" Priority="47" Name="List Table 2 Accent 5"/> <w:LsdException Locked="false" Priority="48" Name="List Table 3 Accent 5"/> <w:LsdException Locked="false" Priority="49" Name="List Table 4 Accent 5"/> <w:LsdException Locked="false" Priority="50" Name="List Table 5 Dark Accent 5"/> <w:LsdException Locked="false" Priority="51" Name="List Table 6 Colorful Accent 5"/> <w:LsdException Locked="false" Priority="52" Name="List Table 7 Colorful Accent 5"/> <w:LsdException Locked="false" Priority="46" Name="List Table 1 Light Accent 6"/> <w:LsdException Locked="false" Priority="47" Name="List Table 2 Accent 6"/> <w:LsdException Locked="false" Priority="48" Name="List Table 3 Accent 6"/> <w:LsdException Locked="false" Priority="49" Name="List Table 4 Accent 6"/> <w:LsdException Locked="false" Priority="50" Name="List Table 5 Dark Accent 6"/> <w:LsdException Locked="false" Priority="51" Name="List Table 6 Colorful Accent 6"/> <w:LsdException Locked="false" Priority="52" Name="List Table 7 Colorful Accent 6"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Mention"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Smart Hyperlink"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Hashtag"/> </w:LatentStyles></xml><![endif]><!--<![if gte mso 10]><style> /* Style Definitions */ table.MsoNormalTable{mso-style-name:"Table Normal";mso-tstyle-rowband-size:0;mso-tstyle-colband-size:0;mso-style-noshow:yes;mso-style-priority:99;mso-style-parent:"";mso-padding-alt:0in 5.4pt 0in 5.4pt;mso-paramargin:0in;mso-para-margin-bottom:.0001pt;mso-pagination:widow-orphan;font-size:10.0pt;font-family:"Times New Roman",serif;}</style><![endif]><-->

CÁLCULO NUMÉRICO DEL CAMPO ACÚSTICO ALREDEDOR DE UN VEHÍCULO LANZADOR

```
<!--[if gte mso 9]><xml> <o:OfficeDocumentSettings> <o:RelyOnVML/>
<o:AllowPNG/> </o:OfficeDocumentSettings></xml><![endif]--><p
class="MsoFooter" style="margin: 6pt 11.35pt 6pt 0in;"><span
lang="en">En el presente documento se realiza una introducción al cálculo
numérico del campo acústico alrededor de un vehículo lanzador. El trabajo no
ha sido finalizado aún, por lo cual se vuelca al presente la descripción de los
avances.</span></p><!--[if gte mso 9]><xml> <w:WordDocument>
<w:View>Normal</w:View> <w:Zoom>0</w:Zoom> <w:TrackMoves/>
<w:TrackFormatting/> <w:PunctuationKerning/>
<w:ValidateAgainstSchemas/>
<w:SaveIfXMLInvalid>false</w:SaveIfXMLInvalid>
<w:IgnoreMixedContent>false</w:IgnoreMixedContent>
<w:AlwaysShowPlaceholderText>false</w:AlwaysShowPlaceholderText>
<w:DoNotPromoteQF/> <w:LidThemeOther>ES</w:LidThemeOther>
<w:LidThemeAsian>X-NONE</w:LidThemeAsian>
<w:LidThemeComplexScript>X-NONE</w:LidThemeComplexScript>
<w:Compatibility> <w:BreakWrappedTables/> <w:SnapToGridInCell/>
<w:WrapTextWithPunct/> <w:UseAsianBreakRules/>
<w:DontGrowAutofit/> <w:SplitPgBreakAndParaMark/>
<w:EnableOpenTypeKerning/> <w:DontFlipMirrorIndents/>
<w:OverrideTableStyleHps/> <w:UseFELayout/> </w:Compatibility>
<m:mathPr> <m:mathFont m:val="Cambria Math"/> <m:brkBin
m:val="before"/> <m:brkBinSub m:val="&#45;"/> <m:smallFrac
m:val="off"/> <m:dispDef/> <m:Margin m:val="0"/> <m:Margin
m:val="0"/> <m:defJc m:val="centerGroup"/> <m:wrapIndent
m:val="1440"/> <m:intLim m:val="subSup"/> <m:naryLim
m:val="undOvr"/> </m:mathPr></w:WordDocument></xml><![endif]-->
<!--[if gte mso 9]><xml> <w:LatentStyles DefLockedState="false"
DefUnhideWhenUsed="false" DefSemiHidden="false" DefQFormat="false"
DefPriority="99" LatentStyleCount="374"> <w:LsdException Locked="false"
Priority="0" QFormat="true" Name="Normal"/> <w:LsdException
Locked="false" Priority="9" QFormat="true" Name="heading 1"/>
<w:LsdException Locked="false" Priority="9" SemiHidden="true"
UnhideWhenUsed="true" QFormat="true" Name="heading 2"/>
<w:LsdException Locked="false" Priority="9" SemiHidden="true"
UnhideWhenUsed="true" QFormat="true" Name="heading 3"/>
<w:LsdException Locked="false" Priority="9" SemiHidden="true"
UnhideWhenUsed="true" QFormat="true" Name="heading 4"/>
<w:LsdException Locked="false" Priority="9" SemiHidden="true"
UnhideWhenUsed="true" QFormat="true" Name="heading 5"/>
<w:LsdException Locked="false" Priority="9" SemiHidden="true"
UnhideWhenUsed="true" QFormat="true" Name="heading 6"/>
<w:LsdException Locked="false" Priority="9" SemiHidden="true"
UnhideWhenUsed="true" QFormat="true" Name="heading 7"/>
<w:LsdException Locked="false" Priority="9" SemiHidden="true"
UnhideWhenUsed="true" QFormat="true" Name="heading 8"/>
<w:LsdException Locked="false" Priority="9" SemiHidden="true"
UnhideWhenUsed="true" QFormat="true" Name="heading 9"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="index 1"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="index
2"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="index 3"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="index
4"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="index 5"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="index
6"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="index 7"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="index
8"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="index 9"/> <w:LsdException
Locked="false" Priority="39" SemiHidden="true" UnhideWhenUsed="true"
Name="toc 1"/> <w:LsdException Locked="false" Priority="39"
SemiHidden="true" UnhideWhenUsed="true" Name="toc 2"/>
<w:LsdException Locked="false" Priority="39" SemiHidden="true"
UnhideWhenUsed="true" Name="toc 3"/> <w:LsdException Locked="false"
Priority="39" SemiHidden="true" UnhideWhenUsed="true" Name="toc 4"/>
<w:LsdException Locked="false" Priority="39" SemiHidden="true"
UnhideWhenUsed="true" Name="toc 5"/> <w:LsdException Locked="false"
Priority="39" SemiHidden="true" UnhideWhenUsed="true" Name="toc 6"/>
<w:LsdException Locked="false" Priority="39" SemiHidden="true"
UnhideWhenUsed="true" Name="toc 7"/> <w:LsdException Locked="false"
Priority="39" SemiHidden="true" UnhideWhenUsed="true" Name="toc 8"/>
<w:LsdException Locked="false" Priority="39" SemiHidden="true"
UnhideWhenUsed="true" Name="toc 9"/> <w:LsdException Locked="false"
SemiHidden="true" UnhideWhenUsed="true" Name="Normal Indent"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="footnote text"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true"
Name="annotation text"/> <w:LsdException Locked="false"
SemiHidden="true" UnhideWhenUsed="true" Name="header"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="footer"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="index
```

heading"/> <w:LsdException Locked="false" Priority="35" SemiHidden="true" UnhideWhenUsed="true" QFormat="true" Name="caption"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="table of figures"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="envelope address"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="envelope return"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="footnote reference"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="annotation reference"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="line number"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="page number"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="endnote reference"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="endnote text"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="table of authorities"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="macro"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="toa heading"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Bullet"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Number"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List 4"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List 5"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Bullet 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Bullet 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Bullet 4"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Bullet 5"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Number 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Number 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Number 4"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Number 5"/> <w:LsdException Locked="false" Priority="10" QFormat="true" Name="Title"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Closing"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Signature"/> <w:LsdException Locked="false" Priority="1" SemiHidden="true" UnhideWhenUsed="true" Name="Default Paragraph Font"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text Indent"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Continue"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Continue 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Continue 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Continue 4"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="List Continue 5"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Message Header"/> <w:LsdException Locked="false" Priority="11" QFormat="true" Name="Subtitle"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Salutation"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Date"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text First Indent"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text First Indent 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Note Heading"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text Indent 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Body Text Indent 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Block Text"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Hyperlink"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="FollowedHyperlink"/> <w:LsdException Locked="false" Priority="22" QFormat="true" Name="Strong"/> <w:LsdException Locked="false" Priority="20" QFormat="true" Name="Emphasis"/> <w:LsdException

```
Locked="false" SemiHidden="true" UnhideWhenUsed="true"
Name="Document Map"/> <w:LsdException Locked="false"
SemiHidden="true" UnhideWhenUsed="true" Name="Plain Text"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="E-mail Signature"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML
Top of Form"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="HTML Bottom of Form"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Normal (Web)"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML
Acronym"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="HTML Address"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML
Cite"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="HTML Code"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML
Definition"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="HTML Keyboard"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML
Preformatted"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="HTML Sample"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="HTML
Typewriter"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="HTML Variable"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true"
Name="Normal Table"/> <w:LsdException Locked="false"
SemiHidden="true" UnhideWhenUsed="true" Name="annotation subject"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="No List"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Outline
List 1"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Outline List 2"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Outline
List 3"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Simple 1"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Simple 2"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Simple 3"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Classic 1"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Classic 2"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Classic 3"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Classic 4"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Colorful 1"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Colorful 2"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Colorful 3"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Columns 1"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Columns 2"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Columns 3"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Columns 4"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Columns 5"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Grid 1"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Grid 2"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Grid 3"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Grid 4"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Grid 5"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Grid 6"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
Grid 7"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table Grid 8"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
List 1"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table List 2"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
List 3"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table List 4"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
List 5"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table List 6"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
List 7"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table List 8"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
3D effects 1"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Table 3D effects 2"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table
3D effects 3"/> <w:LsdException Locked="false" SemiHidden="true"
```

UnhideWhenUsed="true" Name="Table Contemporary"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Elegant"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Professional"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Subtle 1"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Subtle 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Web 1"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Web 2"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Web 3"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Balloon Text"/> <w:LsdException Locked="false" Priority="39" Name="Table Grid"/> <w:LsdException Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Table Theme"/> <w:LsdException Locked="false" SemiHidden="true" Name="Placeholder Text"/> <w:LsdException Locked="false" Priority="1" QFormat="true" Name="No Spacing"/> <w:LsdException Locked="false" Priority="60" Name="Light Shading"/> <w:LsdException Locked="false" Priority="61" Name="Light List"/> <w:LsdException Locked="false" Priority="62" Name="Light Grid"/> <w:LsdException Locked="false" Priority="63" Name="Medium Shading 1"/> <w:LsdException Locked="false" Priority="64" Name="Medium Shading 2"/> <w:LsdException Locked="false" Priority="65" Name="Medium List 1"/> <w:LsdException Locked="false" Priority="66" Name="Medium List 2"/> <w:LsdException Locked="false" Priority="67" Name="Medium Grid 1"/> <w:LsdException Locked="false" Priority="68" Name="Medium Grid 2"/> <w:LsdException Locked="false" Priority="69" Name="Medium Grid 3"/> <w:LsdException Locked="false" Priority="70" Name="Dark List"/> <w:LsdException Locked="false" Priority="71" Name="Colorful Shading"/> <w:LsdException Locked="false" Priority="72" Name="Colorful List"/> <w:LsdException Locked="false" Priority="73" Name="Colorful Grid"/> <w:LsdException Locked="false" Priority="60" Name="Light Shading Accent 1"/> <w:LsdException Locked="false" Priority="61" Name="Light List Accent 1"/> <w:LsdException Locked="false" Priority="62" Name="Light Grid Accent 1"/> <w:LsdException Locked="false" Priority="63" Name="Medium Shading 1 Accent 1"/> <w:LsdException Locked="false" Priority="64" Name="Medium Shading 2 Accent 1"/> <w:LsdException Locked="false" Priority="65" Name="Medium List 1 Accent 1"/> <w:LsdException Locked="false" SemiHidden="true" Name="Revision"/> <w:LsdException Locked="false" Priority="34" QFormat="true" Name="List Paragraph"/> <w:LsdException Locked="false" Priority="29" QFormat="true" Name="Quote"/> <w:LsdException Locked="false" Priority="30" QFormat="true" Name="Intense Quote"/> <w:LsdException Locked="false" Priority="66" Name="Medium List 2 Accent 1"/> <w:LsdException Locked="false" Priority="67" Name="Medium Grid 1 Accent 1"/> <w:LsdException Locked="false" Priority="68" Name="Medium Grid 2 Accent 1"/> <w:LsdException Locked="false" Priority="69" Name="Medium Grid 3 Accent 1"/> <w:LsdException Locked="false" Priority="70" Name="Dark List Accent 1"/> <w:LsdException Locked="false" Priority="71" Name="Colorful Shading Accent 1"/> <w:LsdException Locked="false" Priority="72" Name="Colorful List Accent 1"/> <w:LsdException Locked="false" Priority="73" Name="Colorful Grid Accent 1"/> <w:LsdException Locked="false" Priority="60" Name="Light Shading Accent 2"/> <w:LsdException Locked="false" Priority="61" Name="Light List Accent 2"/> <w:LsdException Locked="false" Priority="62" Name="Light Grid Accent 2"/> <w:LsdException Locked="false" Priority="63" Name="Medium Shading 1 Accent 2"/> <w:LsdException Locked="false" Priority="64" Name="Medium Shading 2 Accent 2"/> <w:LsdException Locked="false" Priority="65" Name="Medium List 1 Accent 2"/> <w:LsdException Locked="false" Priority="66" Name="Medium List 2 Accent 2"/> <w:LsdException Locked="false" Priority="67" Name="Medium Grid 1 Accent 2"/> <w:LsdException Locked="false" Priority="68" Name="Medium Grid 2 Accent 2"/> <w:LsdException Locked="false" Priority="69" Name="Medium Grid 3 Accent 2"/> <w:LsdException Locked="false" Priority="70" Name="Dark List Accent 2"/> <w:LsdException Locked="false" Priority="71" Name="Colorful Shading Accent 2"/> <w:LsdException Locked="false" Priority="72" Name="Colorful List Accent 2"/> <w:LsdException Locked="false" Priority="73" Name="Colorful Grid Accent 2"/> <w:LsdException Locked="false" Priority="60" Name="Light Shading Accent 3"/> <w:LsdException Locked="false" Priority="61" Name="Light List Accent 3"/> <w:LsdException Locked="false" Priority="62" Name="Light Grid Accent 3"/> <w:LsdException Locked="false" Priority="63" Name="Medium Shading 1 Accent 3"/> <w:LsdException Locked="false" Priority="64" Name="Medium Shading 2 Accent 3"/> <w:LsdException Locked="false" Priority="65" Name="Medium List 1 Accent 3"/> <w:LsdException Locked="false" Priority="66" Name="Medium List 2 Accent 3"/> <w:LsdException Locked="false" Priority="67" Name="Medium Grid 1 Accent 3"/> <w:LsdException Locked="false" Priority="68" Name="Medium Grid 2 Accent 3"/> <w:LsdException Locked="false" Priority="69" Name="Medium Grid 3 Accent 3"/> <w:LsdException Locked="false" Priority="70" Name="Dark List Accent 3"/> <w:LsdException Locked="false" Priority="71" Name="Colorful Shading Accent 3"/> <w:LsdException Locked="false" Priority="72" Name="Colorful List Accent 3"/> <w:LsdException Locked="false" Priority="73" Name="Colorful Grid

Accent 3"/> <w:LsdException Locked="false" Priority="60" Name="Light Shading Accent 4"/> <w:LsdException Locked="false" Priority="61" Name="Light List Accent 4"/> <w:LsdException Locked="false" Priority="62" Name="Light Grid Accent 4"/> <w:LsdException Locked="false" Priority="63" Name="Medium Shading 1 Accent 4"/> <w:LsdException Locked="false" Priority="64" Name="Medium Shading 2 Accent 4"/> <w:LsdException Locked="false" Priority="65" Name="Medium List 1 Accent 4"/> <w:LsdException Locked="false" Priority="66" Name="Medium List 2 Accent 4"/> <w:LsdException Locked="false" Priority="67" Name="Medium Grid 1 Accent 4"/> <w:LsdException Locked="false" Priority="68" Name="Medium Grid 2 Accent 4"/> <w:LsdException Locked="false" Priority="69" Name="Medium Grid 3 Accent 4"/> <w:LsdException Locked="false" Priority="70" Name="Dark List Accent 4"/> <w:LsdException Locked="false" Priority="71" Name="Colorful Shading Accent 4"/> <w:LsdException Locked="false" Priority="72" Name="Colorful List Accent 4"/> <w:LsdException Locked="false" Priority="73" Name="Colorful Grid Accent 4"/> <w:LsdException Locked="false" Priority="60" Name="Light Shading Accent 5"/> <w:LsdException Locked="false" Priority="61" Name="Light List Accent 5"/> <w:LsdException Locked="false" Priority="62" Name="Light Grid Accent 5"/> <w:LsdException Locked="false" Priority="63" Name="Medium Shading 1 Accent 5"/> <w:LsdException Locked="false" Priority="64" Name="Medium Shading 2 Accent 5"/> <w:LsdException Locked="false" Priority="65" Name="Medium List 1 Accent 5"/> <w:LsdException Locked="false" Priority="66" Name="Medium List 2 Accent 5"/> <w:LsdException Locked="false" Priority="67" Name="Medium Grid 1 Accent 5"/> <w:LsdException Locked="false" Priority="68" Name="Medium Grid 2 Accent 5"/> <w:LsdException Locked="false" Priority="69" Name="Medium Grid 3 Accent 5"/> <w:LsdException Locked="false" Priority="70" Name="Dark List Accent 5"/> <w:LsdException Locked="false" Priority="71" Name="Colorful Shading Accent 5"/> <w:LsdException Locked="false" Priority="72" Name="Colorful List Accent 5"/> <w:LsdException Locked="false" Priority="73" Name="Colorful Grid Accent 5"/> <w:LsdException Locked="false" Priority="60" Name="Light Shading Accent 6"/> <w:LsdException Locked="false" Priority="61" Name="Light List Accent 6"/> <w:LsdException Locked="false" Priority="62" Name="Light Grid Accent 6"/> <w:LsdException Locked="false" Priority="63" Name="Medium Shading 1 Accent 6"/> <w:LsdException Locked="false" Priority="64" Name="Medium Shading 2 Accent 6"/> <w:LsdException Locked="false" Priority="65" Name="Medium List 1 Accent 6"/> <w:LsdException Locked="false" Priority="66" Name="Medium List 2 Accent 6"/> <w:LsdException Locked="false" Priority="67" Name="Medium Grid 1 Accent 6"/> <w:LsdException Locked="false" Priority="68" Name="Medium Grid 2 Accent 6"/> <w:LsdException Locked="false" Priority="69" Name="Medium Grid 3 Accent 6"/> <w:LsdException Locked="false" Priority="70" Name="Dark List Accent 6"/> <w:LsdException Locked="false" Priority="71" Name="Colorful Shading Accent 6"/> <w:LsdException Locked="false" Priority="72" Name="Colorful List Accent 6"/> <w:LsdException Locked="false" Priority="73" Name="Colorful Grid Accent 6"/> <w:LsdException Locked="false" Priority="19" QFormat="true" Name="Subtle Emphasis"/> <w:LsdException Locked="false" Priority="21" QFormat="true" Name="Intense Emphasis"/> <w:LsdException Locked="false" Priority="31" QFormat="true" Name="Subtle Reference"/> <w:LsdException Locked="false" Priority="32" QFormat="true" Name="Intense Reference"/> <w:LsdException Locked="false" Priority="33" QFormat="true" Name="Book Title"/> <w:LsdException Locked="false" Priority="37" SemiHidden="true" UnhideWhenUsed="true" Name="Bibliography"/> <w:LsdException Locked="false" Priority="39" SemiHidden="true" UnhideWhenUsed="true" QFormat="true" Name="TOC Heading"/> <w:LsdException Locked="false" Priority="41" Name="Plain Table 1"/> <w:LsdException Locked="false" Priority="42" Name="Plain Table 2"/> <w:LsdException Locked="false" Priority="43" Name="Plain Table 3"/> <w:LsdException Locked="false" Priority="44" Name="Plain Table 4"/> <w:LsdException Locked="false" Priority="45" Name="Plain Table 5"/> <w:LsdException Locked="false" Priority="40" Name="Grid Table Light"/> <w:LsdException Locked="false" Priority="46" Name="Grid Table 1 Light"/> <w:LsdException Locked="false" Priority="47" Name="Grid Table 2"/> <w:LsdException Locked="false" Priority="48" Name="Grid Table 3"/> <w:LsdException Locked="false" Priority="49" Name="Grid Table 4"/> <w:LsdException Locked="false" Priority="50" Name="Grid Table 5 Dark"/> <w:LsdException Locked="false" Priority="51" Name="Grid Table 6 Colorful"/> <w:LsdException Locked="false" Priority="52" Name="Grid Table 7 Colorful"/> <w:LsdException Locked="false" Priority="46" Name="Grid Table 1 Light Accent 1"/> <w:LsdException Locked="false" Priority="47" Name="Grid Table 2 Accent 1"/> <w:LsdException Locked="false" Priority="48" Name="Grid Table 3 Accent 1"/> <w:LsdException Locked="false" Priority="49" Name="Grid Table 4 Accent 1"/> <w:LsdException Locked="false" Priority="50" Name="Grid Table 5 Dark Accent 1"/> <w:LsdException Locked="false" Priority="51" Name="Grid Table 6 Colorful Accent 1"/> <w:LsdException Locked="false" Priority="52" Name="Grid Table 7 Colorful Accent 1"/> <w:LsdException Locked="false" Priority="46" Name="Grid Table 1 Light Accent 2"/> <w:LsdException Locked="false" Priority="47" Name="Grid Table 2 Accent 2"/> <w:LsdException Locked="false" Priority="48" Name="Grid Table 3 Accent 2"/> <w:LsdException Locked="false" Priority="49" Name="Grid Table 4

[illegible]

```
Locked="false" Priority="46" Name="List Table 1 Light Accent 6"/>
<w:LsdException Locked="false" Priority="47" Name="List Table 2 Accent
6"/> <w:LsdException Locked="false" Priority="48" Name="List Table 3
Accent 6"/> <w:LsdException Locked="false" Priority="49" Name="List
Table 4 Accent 6"/> <w:LsdException Locked="false" Priority="50"
Name="List Table 5 Dark Accent 6"/> <w:LsdException Locked="false"
Priority="51" Name="List Table 6 Colorful Accent 6"/> <w:LsdException
Locked="false" Priority="52" Name="List Table 7 Colorful Accent 6"/>
<w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Mention"/> <w:LsdException
Locked="false" SemiHidden="true" UnhideWhenUsed="true" Name="Smart
Hyperlink"/> <w:LsdException Locked="false" SemiHidden="true"
UnhideWhenUsed="true" Name="Hashtag"/> </w:LatentStyles></xml>
<![endif]--><!--[if gte mso 10]><style> /* Style Definitions */
table.MsoNormalTable{mso-style-name:"Table Normal";mso-tstyle-rowband-
size:0;mso-tstyle-colband-size:0;mso-style-noshow:yes;mso-style-
priority:99;mso-style-parent:"";mso-padding-alt:0in 5.4pt 0in 5.4pt;mso-para-
margin:0in;mso-para-margin-bottom:.0001pt;mso-pagination:widow-
orphan;font-size:10.0pt;font-family:"Times New Roman",serif;}</style>
<![endif]-->
```

8. Participación en reuniones científicas o eventos artísticos

8.1. Participaciones que han sido publicadas.

Origen CVar: Producción > Producción científica > Trabajos en eventos CyT publicados

Denominación de la actividad	Evento	Tipo de participación	Lugar	Año	Mes
Determinación experimental del efecto de mini flaps Gurney sobre un perfil HQ – 17	IX Reunión sobre Recientes Avances en Física de Fluidos y sus Aplicaciones	Congreso		2006	11
EFFECTOS DE TURBULADORES EN PERFILES DE BAJO REYNOLDS INMERSOS EN FLUJO TURBULENTO	IX Reunión sobre Recientes Avances en Física de Fluidos y sus Aplicaciones	Congreso		2006	11
Lift and Drag behavior of a low Reynolds wing section submitted to a nearby stream wise vortex	46th AIAA Aerospace Sciences Meeting and Exhibit	Congreso		2008	1
CÁLCULO DEL CAMPO ACÚSTICO PRODUCIDO POR UN SISTEMA DE PROPULSIÓN COHETE	3º Congreso Argentino de Ingeniería Aeronáutica	Congreso	Argentina	2014	11
EVAPORACIÓN EN UN TANQUE DE OXÍGENO LÍQUIDO CORRESPONDIENTE A UN VEHÍCULO LANZADOR ESPACIAL	3º Congreso Argentino de Ingeniería Aeronáutica	Congreso	Argentina	2014	11
Experimental study of the near and far wake generated by an oscillating Gurney miniflap in turbulent flow	11th European Mechanics Conference	Congreso	España	2016	9
Experimental Vortex Generator Wake Characterization in Turbulent Flow	11th European Mechanics Conference	Congreso	España	2016	9
Pulsating Flow Injection Effects on Incompressible Flow over an Open Cavity	11th European Mechanics Conference	Congreso	España	2016	9

8.2. Participaciones que no han sido publicadas.

Origen CVar: Producción > Producción científica > Trabajos en eventos CyT no publicados

Denominación de la actividad	Evento	Tipo de participación	Lugar	Año	Mes
No hay información disponible.					

9. Participación en comités evaluadores y jurados

9.1. Evaluación de personal de ciencia y tecnología, jurado de tesis y/o premios.

Origen CVar: Antecedentes > Evaluación > Evaluación de personal CyT y jurado de tesis y/o premios

Año	Tipo de evaluación	Institución	País	Ciudad
2021	Evaluación de becarios	UNIVERSIDAD NACIONAL DE LA PLATA (UNLP)	argentina	La Plata
2006	Jurado de concursos docentes	FACULTAD DE INGENIERIA ; UNIVERSIDAD NACIONAL DE LA PLATA	argentina	La Plata
2006	Jurado de concursos docentes	FACULTAD DE INGENIERIA ; UNIVERSIDAD NACIONAL DE LA PLATA	argentina	La Plata
2006	Jurado de concursos docentes	FACULTAD DE INGENIERIA ; UNIVERSIDAD NACIONAL DE LA PLATA	argentina	La Plata

9.2. Evaluación de programas/proyectos de investigación y desarrollo y/o extensión.

Origen CVar: Antecedentes > Evaluación > Evaluación de programas/proyectos de I+D y/o extensión

Año	Institución	País	Ciudad
No hay información disponible.			

9.3. Evaluación de trabajos en revistas de ciencia y tecnología.

Origen CVar: Antecedentes > Evaluación > Evaluación de trabajos en revistas de CyT

Año	Revista	País	Ciudad
No hay información disponible.			

9.4. Evaluación institucional.

Origen CVar: Antecedentes > Evaluación > Evaluación institucional

Año	Tipo de evaluación	Institución	País	Ciudad
No hay información disponible.				

10. Otra información

10.1. Incluya toda otra información adicional que considere pertinente.

