

[MS-3DMDTP]: Data Visualization: 3-D Map Data Tour File Format

Intellectual Property Rights Notice for Open Specifications Documentation

- **Technical Documentation.** Microsoft publishes Open Specifications documentation for protocols, file formats, languages, standards as well as overviews of the interaction among each of these technologies.
- **Copyrights.** This documentation is covered by Microsoft copyrights. Regardless of any other terms that are contained in the terms of use for the Microsoft website that hosts this documentation, you may make copies of it in order to develop implementations of the technologies described in the Open Specifications and may distribute portions of it in your implementations using these technologies or your documentation as necessary to properly document the implementation. You may also distribute in your implementation, with or without modification, any schema, IDL's, or code samples that are included in the documentation. This permission also applies to any documents that are referenced in the Open Specifications.
- **No Trade Secrets.** Microsoft does not claim any trade secret rights in this documentation.
- **Patents.** Microsoft has patents that may cover your implementations of the technologies described in the Open Specifications. Neither this notice nor Microsoft's delivery of the documentation grants any licenses under those or any other Microsoft patents. However, a given Open Specification may be covered by Microsoft [Open Specification Promise](#) or the [Community Promise](#). If you would prefer a written license, or if the technologies described in the Open Specifications are not covered by the Open Specifications Promise or Community Promise, as applicable, patent licenses are available by contacting iplg@microsoft.com.
- **Trademarks.** The names of companies and products contained in this documentation may be covered by trademarks or similar intellectual property rights. This notice does not grant any licenses under those rights. For a list of Microsoft trademarks, visit www.microsoft.com/trademarks.
- **Fictitious Names.** The example companies, organizations, products, domain names, email addresses, logos, people, places, and events depicted in this documentation are fictitious. No association with any real company, organization, product, domain name, email address, logo, person, place, or event is intended or should be inferred.

Reservation of Rights. All other rights are reserved, and this notice does not grant any rights other than specifically described above, whether by implication, estoppel, or otherwise.

Tools. The Open Specifications do not require the use of Microsoft programming tools or programming environments in order for you to develop an implementation. If you have access to Microsoft programming tools and environments you are free to take advantage of them. Certain Open Specifications are intended for use in conjunction with publicly available standard specifications and network programming art, and assumes that the reader either is familiar with the aforementioned material or has immediate access to it.

Revision Summary

Date	Revision History	Revision Class	Comments
02/10/2014	0.1	New	Released new document.
04/30/2014	1.0	Major	Significantly changed the technical content.
07/31/2014	1.1	Minor	Clarified the meaning of the technical content.

Table of Contents

1	Introduction	4
1.1	Glossary	4
1.2	References	4
1.2.1	Normative References	4
1.2.2	Informative References	5
1.3	Overview	5
1.4	Relationship to Protocols and Other Structures	5
1.5	Applicability Statement	5
1.6	Versioning and Localization	5
1.7	Vendor-Extensible Fields	6
2	Structures	7
2.1	Complex Types	7
2.1.1	CT_Camera	7
2.1.2	CT_Frame	7
2.1.3	CT_Scene	8
2.1.4	CT_Scenes	9
2.1.5	CT_Tour	9
2.1.6	CT_Tour	10
2.1.7	CT_Tours	11
2.1.8	CT_Visualization	11
2.1.9	CT_VisualizationLState	12
2.1.10	CT_VisualizationPState	12
2.2	Elements	13
2.2.1	Tour	13
2.2.2	Visualization	13
2.2.3	VisualizationLState	13
2.2.4	VisualizationPState	13
3	Structure Examples	15
4	Security	25
4.1	Security Considerations for Implementers	25
4.2	Index of Security Fields	25
5	Appendix A: Full XML Schemas	26
5.1	http://microsoft.data.visualization.engine.tours/1.0 Schema	26
5.2	http://microsoft.data.visualization.Client.Excel.LState/1.0 Schema	27
5.3	http://microsoft.data.visualization.Client.Excel.PState/1.0 Schema	27
5.4	http://microsoft.data.visualization.Client.Excel/1.0 Schema	27
6	Appendix B: Product Behavior	29
7	Change Tracking	30
8	Index	32

1 Introduction

The 3-D Map Data Tour file format is used to display an interactive 3-D visualization of data over a map. The visualization can contain multiple parts which focus on one or multiple places on the map and depict different time scales and the events associated with the data.

Sections 1.7 and 2 of this specification are normative and contain RFC 2119 language. All other sections and examples in this specification are informative.

1.1 Glossary

The following terms are defined in [\[MS-GLOS\]](#):

XML

The following terms are defined in [\[MS-OFCGLOS\]](#):

animation
data point
theme
ToolTip
workbook
XML schema

The following terms are specific to this document:

camera: A virtual representation of a camera that controls the position of the viewer window inside the 3-D environment.

effect: A user-specified camera motion that occurs for the duration of a scene.

scene: An independent part of a tour that has a beginning and end, and a specific time duration in which a particular data visualization on the map occurs.

tour: A scene or sequence of scenes that describe a story about geographical locations, time periods, and data visualization.

transition: The camera path and time period that connects one scene to another.

MAY, SHOULD, MUST, SHOULD NOT, MUST NOT: These terms (in all caps) are used as described in [\[RFC2119\]](#). All statements of optional behavior use either MAY, SHOULD, or SHOULD NOT.

1.2 References

References to Microsoft Open Specification documents do not include a publishing year because links are to the latest version of the documents, which are updated frequently. References to other documents include a publishing year when one is available.

1.2.1 Normative References

We conduct frequent surveys of the normative references to assure their continued availability. If you have any issue with finding a normative reference, please contact dochelp@microsoft.com. We will assist you in finding the relevant information.

[RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", BCP 14, RFC 2119, March 1997, <http://www.rfc-editor.org/rfc/rfc2119.txt>

[XMLSCHEMA1] Thompson, H.S., Beech, D., Maloney, M., and Mendelsohn, N., Eds., "XML Schema Part 1: Structures", W3C Recommendation, May 2001, <http://www.w3.org/TR/2001/REC-xmlschema-1-20010502/>

[XMLSCHEMA2] Biron, P.V., and Malhotra, A., Eds., "XML Schema Part 2: Datatypes", W3C Recommendation, May 2001, <http://www.w3.org/TR/2001/REC-xmlschema-2-20010502/>

1.2.2 Informative References

[MS-GLOS] Microsoft Corporation, "[Windows Protocols Master Glossary](#)".

[MS-OFCGLOS] Microsoft Corporation, "[Microsoft Office Master Glossary](#)".

1.3 Overview

This structure allows the exploration and visualization of data on a map, which can be a flat 3-D surface or a 3-D globe. This structure allows for animating over time and visualization of historical trends of the data over time. This structure also allows for various levels of visualization using 2-D visuals which can be anchored to the top level of the 3D environment. These 2-D visuals can be text boxes or flat 2-D charts that provide more insights into the data. This structure is capable of displaying multiple layers of data and users can change specific visual properties of the extrusions representing the accumulated data on the globe. It is also possible to animate the data using different aggregation options over time, or partition the **animation** over common units of time – such as days, weeks, or months. This structure supports annotations that are anchored to data extrusions, and the annotations can contain custom text and/or generic **ToolTips** which are derived from the data. This structure can support different styles of data shapes and visual map **themes**, and different chart types, such as heat maps or pie charts which appear as data extrusions in the data. The structure supports sequencing of different parts which are called **scenes**; a specific sequence of these scenes is called a **tour**. Each scene has a specific motion to it, called a **transition**, as well as motion which is an option for the duration of the scene, called an **effect**.

1.4 Relationship to Protocols and Other Structures

This structure depends on geocoding and mapping services. These are public and can be provided from a variety of vendors. This structure also depends on data query APIs for data rendering in the 3-D environment.

1.5 Applicability Statement

This structure should be used when an application renders a 3-D geospatial data collection of scenes which collectively describe a story about data on a map inside a 3-D mapped environment.

1.6 Versioning and Localization

- Structure Versions: This structure specifies the only version of the 3-D Map Data Tour file format.
- Localization: The file format allows one or more of the following elements to be stored in their localized form.
 - Workbook column names
 - Tour name

- Scene name
- Layer name
- Text box content
- Annotation content
- Date and time format

1.7 Vendor-Extensible Fields

None.

2 Structures

2.1 Complex Types

2.1.1 CT_Camera

Target namespace: <http://microsoft.data.visualization.engine.tours/1.0>

Referenced by: [CT_Frame](#)

Specifies the position of the **camera** in the initial frame of a scene.

Child Elements:

Latitude: An **xs:decimal** ([\[XMLSCHEMA2\]](#) section 3.2.3) element that specifies the latitude of the camera target in degrees.

Longitude: An **xs:decimal** ([\[XMLSCHEMA2\]](#) section 3.2.3) element that specifies the longitude of the camera target in degrees.

Rotation: An **xs:decimal** ([\[XMLSCHEMA2\]](#) section 3.2.3) element that specifies the rotation angle of the camera in radians. This value is zero when the camera is pointing north.

PivotAngle: An **xs:decimal** ([\[XMLSCHEMA2\]](#) section 3.2.3) element that specifies the vertical angle between a tangential plane at the target point and the line drawn from the target to the camera.

Distance: An **xs:decimal** ([\[XMLSCHEMA2\]](#) section 3.2.3) element that specifies the normalized camera distance to the target position. A distance of 1.0 equals the radius of the earth.

The following W3C XML Schema ([\[XMLSCHEMA1\]](#) section 2.1) fragment specifies the contents of this complex type.

```
<xsd:complexType name="CT_Camera">
  <xsd:sequence>
    <xsd:element name="Latitude" type="xsd:decimal"/>
    <xsd:element name="Longitude" type="xsd:decimal"/>
    <xsd:element name="Rotation" type="xsd:decimal"/>
    <xsd:element name="PivotAngle" type="xsd:decimal"/>
    <xsd:element name="Distance" type="xsd:decimal"/>
  </xsd:sequence>
</xsd:complexType>
```

See section [5.1](#) for the full W3C XML Schema ([\[XMLSCHEMA1\]](#) section 2.1).

2.1.2 CT_Frame

Target namespace: <http://microsoft.data.visualization.engine.tours/1.0>

Referenced by: [CT_Scene](#)

Specifies the initial frame of a scene.

Child Elements:

Camera: A **CT_Camera** (section [2.1.1](#)) element that specifies the parameters of the camera in its initial position in the frame.

Image: A **xs:string** ([\[XMLSCHEMA2\]](#) section 3.2.1) element that specifies the image for the frame.

The following W3C XML Schema ([\[XMLSCHEMA1\]](#) section 2.1) fragment specifies the contents of this complex type.

```
<xsd:complexType name="CT_Frame">
  <xsd:sequence>
    <xsd:element name="Camera" type="tns:CT_Camera"/>
    <xsd:element name="Image" type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

See section [5.1](#) for the full W3C XML Schema ([\[XMLSCHEMA1\]](#) section 2.1).

2.1.3 CT_Scene

Target namespace: <http://microsoft.data.visualization.engine.tours/1.0>

Referenced by: [CT_Scenes](#)

Specifies a scene in the tour.

Child Elements:

Transition: An **xs:string** ([\[XMLSCHEMA2\]](#) section 3.2.1) element that specifies the type of camera transition for this scene. Can only be set to "MoveTo".

Effect: An **xs:string** ([\[XMLSCHEMA2\]](#) section 3.2.1) element that specifies the camera motion effect. Possible values are "Station", "Circle", "Dolly", "FlyOver", "PushIn", "Figure8" and "RotateGlobe".

Theme: An **xs:string** ([\[XMLSCHEMA2\]](#) section 3.2.1) element that specifies the type of theme applied to this scene. Possible values are "BingRoad", "BingRoadHighContrast", "Aerial", "Grey", "Dark", "Light", "Mono", "White", "Earthy", "Modern", "Organic", and "Radiate".

ThemeWithLabel: An **xs:boolean** ([\[XMLSCHEMA2\]](#) section 3.2.2) element that specifies whether a theme with labels enabled has been applied to this scene. A value of 1 indicates that a theme with labels enabled has been applied to this scene; a value of 0 indicates that a theme with labels enabled has not been applied to this scene.

FlatModeEnabled: An **xs:boolean** ([\[XMLSCHEMA2\]](#) section 3.2.2) element that specifies whether the scene has a 3-D map represented as a globe. A value of 1 indicates that the map is represented in as a globe; a value of 0 indicates that the map is represented as a flat surface.

Duration: An **xs:unsignedInt** ([\[XMLSCHEMA2\]](#) section 3.3.22) element that specifies the scene duration in 100-nanosecond units.

TransitionDuration: An **xs:unsignedInt** ([\[XMLSCHEMA2\]](#) section 3.3.22) element that specifies the duration of the scene transition in 100-nanosecond units.

Speed: An **xs:decimal** ([\[XMLSCHEMA2\]](#) section 3.2.3) element that specifies the relative speed of the scene effect. Possible values lie between 0 and 1.

Frame: A **CT_Frame** (section [2.1.2](#)) element that specifies the first frame of this scene in the Power Map tour.

LayersContent: An **xs:string** ([\[XMLSCHEMA2\]](#) section 3.2.1) element that specifies the contents of a scene in the tour.

The following W3C XML Schema ([\[XMLSCHEMA1\]](#) section 2.1) fragment specifies the contents of this complex type.

```
<xsd:complexType name="CT_Scene">
  <xsd:sequence>
    <xsd:element name="Transition" type="xsd:string"/>
    <xsd:element name="Effect" type="xsd:string"/>
    <xsd:element name="Theme" type="xsd:string"/>
    <xsd:element name="ThemeWithLabel" type="xsd:boolean"/>
    <xsd:element name="FlatModeEnabled" type="xsd:boolean"/>
    <xsd:element name="Duration" type="xsd:unsignedInt"/>
    <xsd:element name="TransitionDuration" type="xsd:unsignedInt"/>
    <xsd:element name="Speed" type="xsd:decimal"/>
    <xsd:element name="Frame" type="tns:CT_Frame"/>
    <xsd:element name="LayersContent" type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

See section [5.1](#) for the full W3C XML Schema ([\[XMLSCHEMA1\]](#) section 2.1).

2.1.4 CT_Scenes

Target namespace: <http://microsoft.data.visualization.engine.tours/1.0>

Referenced by: [CT_Tour](#)

Specifies the collection of scenes in the Power Map tour. There is always at least one scene per tour.

Child Elements:

Scene: A **CT_Scene** (section [2.1.3](#)) element that specifies a scene in a Power Map tour.

The following W3C XML Schema ([\[XMLSCHEMA1\]](#) section 2.1) fragment specifies the contents of this complex type.

```
<xsd:complexType name="CT_Scenes">
  <xsd:sequence>
    <xsd:element maxOccurs="unbounded" name="Scene" type="tns:CT_Scene"/>
  </xsd:sequence>
</xsd:complexType>
```

See section [5.1](#) for the full W3C XML Schema ([\[XMLSCHEMA1\]](#) section 2.1).

2.1.5 CT_Tour

Target namespace: <http://microsoft.data.visualization.engine.tours/1.0>

Referenced by: [Tour](#)

Specifies a Power Map tour.

Child Elements:

Scenes: A **CT_Scenes** (section [2.1.4](#)) element that specifies a collection of scenes within the tour.

Attributes:

Name: An **xs:string** ([\[XMLSCHEMA2\]](#) section 3.2.1) attribute that specifies the name of the tour.

Description: An **xs:string** ([\[XMLSCHEMA2\]](#) section 3.2.1) attribute that specifies the description of the tour.

The following W3C XML Schema ([\[XMLSCHEMA1\]](#) section 2.1) fragment specifies the contents of this complex type.

```
<xsd:complexType name="CT_Tour">
  <xsd:sequence>
    <xsd:element name="Scenes" type="tns:CT_Scenes"/>
  </xsd:sequence>
  <xsd:attribute name="Name" type="xsd:string" use="required"/>
  <xsd:attribute name="Description" type="xsd:string" use="required"/>
</xsd:complexType>
```

See section [5.1](#) for the full W3C XML Schema ([\[XMLSCHEMA1\]](#) section 2.1).

2.1.6 CT_Tour

Target namespace: <http://microsoft.data.visualization.Client.Excel/1.0>

Referenced by: [CT_Tours](#)

Specifies a tour comprised of one or more scenes in Power Map.

Child Elements:

Description: An **xs:string** ([\[XMLSCHEMA2\]](#) section 3.2.1) element that specifies the description of the tour.

Image: An **xs:string** ([\[XMLSCHEMA2\]](#) section 3.2.1) element that specifies the image that represents the tour.

Attributes:

Name: An **xs:string** ([\[XMLSCHEMA2\]](#) section 3.2.1) attribute that specifies the name of the tour.

Id: An **xs:string** ([\[XMLSCHEMA2\]](#) section 3.2.1) attribute that specifies a unique identifier for the version of the tour.

TourId: An **xs:string** ([\[XMLSCHEMA2\]](#) section 3.2.1) attribute that specifies a unique identifier for the tour.

XmlVer: An **xs:unsignedByte** ([\[XMLSCHEMA2\]](#) section 3.3.24) attribute that specifies the current version of the **XML** representation of the tour.

MinXmlVer: An **xs:unsignedByte** ([\[XMLSCHEMA2\]](#) section 3.3.24) attribute that specifies the minimum compatible XML version of the tour.

The following W3C XML Schema ([\[XMLSCHEMA1\]](#) section 2.1) fragment specifies the contents of this complex type.

```
<xsd:complexType name="CT_Tour">
  <xsd:sequence>
    <xsd:element name="Description" type="xsd:string"/>
    <xsd:element name="Image" type="xsd:string"/>
  </xsd:sequence>
  <xsd:attribute name="Name" type="xsd:string" use="required"/>
  <xsd:attribute name="Id" type="xsd:string" use="required"/>
  <xsd:attribute name="TourId" type="xsd:string" use="required"/>
  <xsd:attribute name="XmlVer" type="xsd:unsignedByte" use="required"/>
  <xsd:attribute name="MinXmlVer" type="xsd:unsignedByte" use="required"/>
</xsd:complexType>
```

See section [5.4](#) for the full W3C XML Schema ([\[XMLSCHEMA1\]](#) section 2.1).

2.1.7 CT_Tours

Target namespace: <http://microsoft.data.visualization.Client.Excel/1.0>

Referenced by: [CT_Visualization](#)

Specifies the collection of tours contained within a **workbook**.

Child Elements:

Tour: A **CT_Tour** (section [2.1.6](#)) element that specifies a tour.

The following W3C XML Schema ([\[XMLSCHEMA1\]](#) section 2.1) fragment specifies the contents of this complex type.

```
<xsd:complexType name="CT_Tours">
  <xsd:sequence>
    <xsd:element maxOccurs="unbounded" name="Tour" type="tns:CT_Tour"/>
  </xsd:sequence>
</xsd:complexType>
```

See section [5.4](#) for the full W3C XML Schema ([\[XMLSCHEMA1\]](#) section 2.1).

2.1.8 CT_Visualization

Target namespace: <http://microsoft.data.visualization.Client.Excel/1.0>

Referenced by: [Visualization](#)

Specifies the 3-D visualizations stored in a workbook.

Child Elements:

Tours: A **CT_Tours** (section [2.1.7](#)) element that specifies the collection of tours stored in the workbook.

Colors: An **xs:anyType** ([\[XMLSCHEMA1\]](#) section 3.4.7) element that specifies the custom color palette selected by the user for the visualizations.

The following W3C XML Schema ([\[XMLSCHEMA1\]](#) section 2.1) fragment specifies the contents of this complex type.

```
<xsd:complexType name="CT_Visualization">
  <xsd:sequence>
    <xsd:element name="Tours" type="tns:CT_Tours"/>
    <xsd:element name="Colors"/>
  </xsd:sequence>
</xsd:complexType>
```

See section [5.4](#) for the full W3C XML Schema ([\[XMLSCHEMA1\]](#) section 2.1).

2.1.9 CT_VisualizationLState

Target namespace: <http://microsoft.data.visualization.Client.Excel.LState/1.0>

Referenced by: [VisualizationLState](#)

Specifies a container for geocoded **data points (1)** within Power Map.

Child Elements:

cg: An **xs:string** ([\[XMLSCHEMA2\]](#) section 3.2.1) element that specifies the geocoded data points (1).

The following W3C XML Schema ([\[XMLSCHEMA1\]](#) section 2.1) fragment specifies the contents of this complex type.

```
<xsd:complexType name="CT_VisualizationLState">
  <xsd:sequence>
    <xsd:element name="cg" type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

See section [5.2](#) for the full W3C XML Schema ([\[XMLSCHEMA1\]](#) section 2.1).

2.1.10 CT_VisualizationPState

Target namespace: <http://microsoft.data.visualization.Client.Excel.PState/1.0>

Referenced by: [VisualizationPState](#)

Specifies the container for data used for mapping regions.

Child Elements:

rp: An **xs:string** ([\[XMLSCHEMA2\]](#) section 3.2.1) element that specifies the region polygons.

The following W3C XML Schema ([\[XMLSCHEMA1\]](#) section 2.1) fragment specifies the contents of this complex type.

```
<xsd:complexType name="CT_VisualizationPState">
  <xsd:sequence>
    <xsd:element name="rp" type="xsd:string"/>
  </xsd:sequence>
```

```
</xsd:complexType>
```

See section [5.3](#) for the full W3C XML Schema ([\[XMLSCHEMA1\]](#) section 2.1).

2.2 Elements

2.2.1 Tour

Target namespace: <http://microsoft.data.visualization.engine.tours/1.0>

A **CT_Tour** (section [2.1.5](#)) element that specifies a tour in Power Map.

The following W3C XML Schema ([\[XMLSCHEMA1\]](#) section 2.1) fragment specifies the contents of this element.

```
<xsd:element name="Tour" type="tns:CT_Tour"/>
```

See section [5.1](#) for the full W3C XML Schema ([\[XMLSCHEMA1\]](#) section 2.1).

2.2.2 Visualization

Target namespace: <http://microsoft.data.visualization.Client.Excel/1.0>

A **CT_Visualization** (section [2.1.8](#)) element that specifies the 3-D visualizations stored in the workbook.

The following W3C XML Schema ([\[XMLSCHEMA1\]](#) section 2.1) fragment specifies the contents of this element.

```
<xsd:element name="Visualization" type="tns:CT_Visualization"/>
```

See section [5.4](#) for the full W3C XML Schema ([\[XMLSCHEMA1\]](#) section 2.1).

2.2.3 VisualizationLState

Target namespace: <http://microsoft.data.visualization.Client.Excel.LState/1.0>

A **CT_VisualizationLState** (section [2.1.9](#)) element that specifies a container for geocoded data points (1).

The following W3C XML Schema ([\[XMLSCHEMA1\]](#) section 2.1) fragment specifies the contents of this element.

```
<xsd:element name="VisualizationLState" type="tns:CT_VisualizationLState"/>
```

See section [5.2](#) for the full W3C XML Schema ([\[XMLSCHEMA1\]](#) section 2.1).

2.2.4 VisualizationPState

Target namespace: <http://microsoft.data.visualization.Client.Excel.PState/1.0>

A **CT_VisualizationPState** (section [2.1.10](#)) element that specifies a container for data used for region mappings.

The following W3C XML Schema ([\[XMLSCHEMA1\]](#) section 2.1) fragment specifies the contents of this element.

```
<xsd:element name="VisualizationPState" type="tns:CT_VisualizationPState"/>
```

See section [5.3](#) for the full W3C XML Schema ([\[XMLSCHEMA1\]](#) section 2.1).

3 Structure Examples

The following is an example of the structure with a tour that has a single scene.

```
<?xml version="1.0" encoding="UTF-16"?>
```

```
<Tour xmlns="http://microsoft.data.visualization.engine.tours/1.0" Description="Some description
for the tour goes here" Name="Tour 1" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"><Scenes><Scene><Transition>MoveTo</Tran
sition><Effect>Station</Effect><Theme>White</Theme><ThemeWithLabel>>false</ThemeWithLa
bel><FlatModeEnabled>>false</FlatModeEnabled><Duration>60000000</Duration><TransitionDur
ation>30000000</TransitionDuration><Speed>0.5</Speed><Frame><Camera><Latitude>40.96
8825575557013</Latitude><Longitude>-
111.36067867162427</Longitude><Rotation>0</Rotation><PivotAngle>-
0.19670261929383437</PivotAngle><Distance>0.6</Distance></Camera><Image>iVBORw0KGg
oAAAANSUHEUgAAANQAAAB1CAYAAAA2ns9TAAAAAXNSR0IArs4c6QAAAARnQU1BAACxjwv8YQUAAA
AJcEhZcwAAAYQAAAMkAbQeFOYAAAC2qSURBVHhe7Z0JkB3Fmec/dUtqSS217vs+ASEhDgmEQQbWCO
xQLDZ4DBh7Gdu7sTHrITbCE7MzOzETs/asd7wHjvEugwfbM8Y7AgwIkDklhGUd6Ba671tC9y1araNbUrP
1y/f+reyiXr/X770+X/0hIVI5VVXm98/vy6+qX7X5LIC1Ely7ds0qKyuNW2rXrp21bdvWioqK3PHly5etvLzc
Hbdp08bFIAOOFAqrq+3SpUuufYcOHVye6gich0C/5Kufq1evunRxcbE7joKGWzHXkQIUH1y4cME6d+5cK
8+/vLRQfepjyF51btmyxc6cOWNTpkxJ5sRIB2TgypUrbs5rZCKY5Ouz0sJx8eJFq6qqc0To1q1bDSG46fPnz
zuBBwxESUmJGwQRTOAYUgHyw4Eyhoy+IKYfYgJEFemoHwZ11I7y8PI9qE4Y3EuXLI1qzkmdVOCCKIN9
zhkmViz6A1IjbJGn9u3bu3HNbHIsIZBgI5WV1dIu586dqyEUGkw3T7kvdAoImoTODZJXI1h5aku/BI4J0I4
KEMgnqd83x6kQLIN/gvqK6oM8BaB2fl6M3Kc5ZS5ZxEm3KkIhyFp1faFBa5SWljozCdKxskAyCTntAMIJG
CjS5EMUYUqGhbNjx46unvoRsagnQfeDTzAXqZQGYf8HABX5Nfxr4P8dO1jpAdjTEDmiNiStCqTDxw5cs
SZQwQfCDLaCbOQASCZAg+xyIj5NNAUZ98hFDE4Vhp5ase7dUHYGglwBLmfID9IPeHpk3Vp6Y1qpwy
FhX6mLtknV26kqg7uHeZTRw3yqXDoD7ni3EdmnOAFCTrY5QaB5pIh8IREVFhdtPMRCQjVsnjaAwMBJ6
yEI9yjEfmXu4ZhwI3bt3ryEOqA9hRf4Hpz9re6sHu7xpQ8rt2f/ytL333nVUAcPHnSmzJgxY9yYfO1rX3P1
YiQAIyBkh4W1VZl8oFonTrWETEBAuGm0BzGCAMkAwqKYQLrSAuh8Q4fPmyHDh2qyc9HwFPnJiB5DE
FOnz5dqw7n514+/fRTV98vE7gXEYm6CrkAojIOjBnnPXv2rDNvY9QG44McMY+MOY6uVqehuB0EUapYI
F8BwUVbMRA9e/as8fahqSgnLU22detWGzJkiL377rt21113OWch7SAudTjXjTfeaPv373c2NB0NB0i/fv2c
FmSVp08E8ujRo6588ODBzjzYvXu3M7vuuOMO+/3vf2+jRo1y14WGPXHihBNmrg0yDx8+3F3fHAKTHIF
OnjxpPXr0SN5dApXHEMISQRpqynd/bAeu9nF5Xx5Rbb/80Z+4dIz0YLxZeBhraalWR6i6gPDreRQDADHQ
WAg7gyEvIwMzFbs3brRx48bZW2+95coR8mHDhrnyZs32y233OKI9sYbb7i8kSNHOsIi+JDik08+ccKP
KQqRqDNixAg3EWvXrnXn/+Y3v2l79uyxhQsXunPg8ofI9AXJNmzY4FZCiPbkk0+6a48iFNB0ZkooyCrThf
579erl0jHSA1kCLLJCwRCq6mq1bTv0qe05ctZGdC+Yqb07uwHRRhtBVkAYETIiYn6ra9euzvQjH82CCQZ
ZGDq02OjRo92DUQYWEixdutQmTzrk+oUonAeS907d23bs2OHIRT+YUvQ5dOhQW7VqIrnNOCeC/nA8iI/
AIPmXUv/XWw12bVITKBFw390m/yxfMscsXy11+/yEj7cbxE106RnogG8gJ44i5BwqGfEFOXLS/mLnOI
m47Zjd0qbD/9m/usn49OjtBBZh5CLn2KKRbc3VK5EIoTcXaGeLO+5t77J7001z+sk5ft6nTf+HSMdJDhA
IQcmIVDKEOqywh/zyI1u9/aBdLT9h//Yrt9h/fHRysNonVmxIBDDBSGvlQts1N3Bt7LF880zTWJepxyJB
OXWljMINX/+fGeqsthwLvaEtB0wYICLMUHRuj/5yU9cu0IFy8PiRycMJ6tzssXBQSoa8dgAz6mzEquVQT
H1fbq/A22eP1uV86AsOoTR60vCA+rkQ8ESx4eh/ShGPOqfVr8GmXK8LXCVF8MnF9nNMH5iR5LBh1E
Q/ce++9ntz5cmfKsn9kcVmxYoWtXr3alU+bNs3FhQzGkvlNtpERxrcgNBQ3fL6iwg6d+NT+52+X2sIN+
+3a5Ys2ZnAP+4cffNX6dO/sCIOgoaHYVzE4rDis0qzI7HOOHz/uyvDesWofOHCgZk/D/gYhXkuHV5C69E
E9Avuhffv22d69e+3222937aQV6wvuB49h3759kzkJgokkPjlszEJWtjldILbsfWJCJnsonC8LFiywGTNmJH
NiAC2o0vaMe/EPAYTLWY0QJgSsa2IH69ypg63fddTKLwfCXI7hSDBhZMJtjIBxTH2Elpg8ORZefvII54ygDO
Hs37+/rVu3zqkcXjmZipAQBwRIEiIBZ7+CmcbxoEGDnMcvW0JxjZAUYNONCgITq3Ny/Uy27oXrZtEg7TR
Vu47WtdcA695nkHXr2cc9DgijT58+zpMZozaYawKLL0PpZCYy/FavobhFPHMIYnX1Z/azN1bai/M2Wfm7
SrttSGf740fus6H9e7iVm9WcgYGACBfeOYQqUSLYZvDg1gEE4KRr0HluRN7DepzXvIRboSaevSP5iLOFI
wfXkCedfkQ0egfsuBQ4bw+NN3kc73/YcqPrehgYkEZ8HC1/dUvop9D6fIYjOvAKmEeWNh4GM54F0xTAq
BIEIyzFVX2p8+9b2t2HLbu7arsnIFldsf03jaof183MAG7ZMKLhqZh4CAGQqihIAADJyJBPkiHeSVNwX6JgW
4IQcJe3kBDhuFPp6+1wuD6Cf/5wWet3f7Eq0e9vIjuf/rs0zVOce6Le0dDLVu2zKZONer6f+CBB+LnVQF4
tsgzR2SFsWZxLQinhAAZuPmyjsU2/dE7rVtpBztzqY0t3nHOPjI9yQ00+6X169fb9u3b3WoPeIvh448/dhv
yTZs2uQeyixcvd9iWaEY2CVLIti2bducmfDY0o0FBDqV0tgKhLVd93kDw3pC0cE2o43NRgTHBVo+XgJ
pwQyxUJKzGjDUBoKsLpDALTVKwu22d+/tsSqr1Ta05PO2Tcfecy27z5t5QGR0DyTJ092rxXxsijDhOnGqo
```

6A8bYFJhBvPfdmBIRjgCnTc56HH344edb8ApMODYVpGQbXSYAMmWio5R+ssyuXEiLQc1CZ3Twx+m3z
GJ8HMqC9KORCrgqOUNwuew200cXKKpv5+su2bfvHdk+/HTbI7i/Z4Dv/0tau2+g0D287QCgGjTb+UJG
WULKXwvyjDoSctMRRG/x8AEKxVxs4cGDNNaUjkEB96unaY2QP5gFSMd/sV5n/giOUwJ6Hwag8u95Orv
ozu1B+wi5cbmOTn3rHSntNcC+7MkBoHx/phFYC60N5yteQcXxVPx2YSNzmeAvVr/pS3xA6CjqfCPX8D+
+3G/udcmXHqu+xJ78fvymRKSASlg6aye2fgjEvWELpts+cOmrnds20E5v/0c5XXLTi0mHWZthfWgm3Q
U6VQypMOBmaAWm1RzhlSwOZfeQLaDhMSDk211b+sLu1t/Ph9++DfK6JwCT6oEz1SSuQRyCtMu4Ns3
Thrx+w+0clHnAvPPqv7f4nfu4eAezcudNpaV7O5cEujgi8ijzwjZEAhGJxw+PlvLKKXiinhA8JXpviDlbZ8TZr
02WclbQvskvn9tq1k3Ns5IihTjuhBXiASmDPgpmFh4vBw6WOJ5CAcCOgCCqEE+kYdHmBIBZEYhIImIm
QiTo8ICRPk6SYOpQRSJOvoIfGBIiJ1mX/5gfyKFM510BfXEcqM8ICX/a8vrrr9tNN93kjhtWpSsEUNgXpl
DjWnBaijArSMou3ftsIqji6z4+L8EG/TTvtWmh42f+r+s2+D7AgG87ATR1yK0Q9ilcThGkzGgmADUJv8ko
B4ahWOIpyGXlqIvYtr5pprq0ZY0dbQQqAyQJkgz+mU1C0cyFrg++tu89AXr3D7xKtTVkuE26pavuDTg+
mbOnGnf+c53kjkxfGhhk/vcmeDB4Bc0oVjFIUH5uVNWvuc3dm7n/7OKS9VWNvA+G/uvfmzFHxonaye
EMLYyI5QMqohBWg9tpVEgFDECj+ZCuEUc6pBhV8ScwyeNCKJp4jhmDpWrrl8OGf026odzcc0xsoesB17
xIsYkLiITTOcW0Qw9evWzYZP+k5V0HW0lBQPNdWiF7d84y65eqXSCRz0GDdIg/Bwj/ASEU8eYfMQIrvZN
BEiLUNOXSEVA69Ev7TmWwAMdE1OuOgJlqq8yYkCaInJo36X+YuQOFm09WqY38wuaUAgWwg5BCNX
WwfpP+ltr07ajFdtFO398nVVXnqoRQognDYXgikgIleUQSWn1q2O0FjGrmtpzTN/0A6gvkihQB4TzmTxIS
hwu8+vL1MRs9a81Ru5gTHmLhPcy9cOqBa+hAIKHSdlitR9s/Sd838p632zdeo+ytu0Tv6BEOcLJoEEsBF
MCCzimHkQSWsgjH0AoVjSOZRqQIA07WIDmaByQJ8K9KNzAYgqE1MEgnCkydP5YUQPOKd4vYw5YO4
Y44LeQwGEW6s3gorQF7W5alculX2JZ2sQ9mgoFaRE1aEHSEG1EeoSP4aYVvzomHYJMXTaumAbUE
0IJU49jaTzaqm/SxATANfjHAvU4j8hEf5CY+vQJyCMA+ifEyB4QSiSjY4mMFDyhGAzczlRtGRRf2AFDxMAR
U18ayhdsYsoJskNOVjCEGiDs9E97yEMd+oFQMif1/kpBzoH4PyUiSThOvRBHfrRdagv1SHNOWJc5QbG
mYAlOdkpeJNPAslgIHByKgA9uwGUkc+qLzIpH6gfQNoPAclRjva+ycdkSLDpi2OISBIqe8XU9cmkfiFyyEI
fBNX1rzOqXYzswLiyGDOfICZUIFi+8KFNEGiIRB4kkgCU+YLIJAKmvoKgtF/mtydNn0yEhF9EQKPJVINUM
jWpj4ZTvn/NQNfiQ3UFvW5tY+QOzSdzWfAmH7eOucefIzAgCDOmEoJImS+QEnqIREw9QD0Jp4aSYwg
AKdkzKV/tKYe01GGPBWkJ0lUc8xEQSiC/XA91CGfQD00GnUho8il6wnDvz6uhRaJe2iBzCmbm6SZQU
LBkIvNiLkDAorDYOFwCpGCCICCAmIOaYeA4IAC0yglWkzZUDCD+iPfPrUK0qqBziG2BBE/RDTjgABdB0iB
IR07trkOaLatfnn4ThG7kAGJAfMKfMSvykRkAgBBrx9LnlMSIgfCTqDJ6JJCwnkM8jUI+b5BO3118DttN1
ABupCJOUBEUp9iUD0oWNAWINITDnkUnugtOr5/cXIHiy6gHEIMJ4FTSgIw1NuVhaGAW2DAEuoJbwIKH
UBgi8tAiTASgv0w4BDGJ+kiinn3GhH8pgMziHtg5YEog/1KaMuZirmKdfB9RH8aSTt5xOHERMqdzAn/pyD
giYUai1I6CATwoxpRR4DRh7C6wuqL6TkeXhgIEGlf/K0T6KN6qoMwhFTLmJDLGLti2hHHdVTTBnXJkJTT2
na6xqV9vNiQuU05gH58Me1oAnFSg8YDAkoQEgRagaLfl/Mh4SUEgwukBahDhMQLUue/dGHCCTi6jy8q
UweaQJp6qGJJpiczbStEBxOuiaVD8mVO7QPAqOWIVKKASMPRNaAMFCSGPEqA8gFAuiYmTq88tugcDf
OxXomhIjR0Ai9t2yPrBkClJDccs8e4JQaCcGI9ZQLQMS1/qYugAtQhvmOqot/VIHgmCWC9oWAO2FdQ3U
J02eUJCEYh/iDzDA9IvRNkiPCFKXoHILBdVR38w3j0ggS1RbyvLRT/76lj/JYDuAB5bfWhw7dmyNo4pF2N9
70z+kJbh81tgYHAgkzblWsWEfScP23+d/Q82a9W8ZE40Vu/dbH/YutL+/LFPuDZRuFB50dUBi3estoXbV
T10GP84/uXXw02uS8te8elfby3frHrCyyk+kjVj8C52pafcm1+7fYX772M/vNkrdsy+HdVnE50U9zh8jJB
8DcKV0XqO+/D4e116b2BCvrH6Axs3cLQt2LrC1gUk6tOle9BFXpX3xhsQ3nCD/xoM7rUfnru76CF07dXWfA
dPHONa7OHcNuDrTVVpu59O2AdIesU/sOAVnPW79uvezQ2eNW2iH7r4A0NSTIqQLkIGYBZdF0aU+RAH
LxrFDPCynjeSAfjMC8o71emKaMNoB8wc9zIcioW8JaEeq6VX+QMsWsIXptsUITrbio7gekr66YY09Mvv7zX
GDFrg2BNrpgU8d/IZnTuHgtuPbbho610f0SGrIlglVUSKwX+Js2zDxIhYYh7ZOLtsw95cQco80ol/Wic0jLy
bzzoX5iQiWRDaFywbmL55251IRo6vPnA/58SqDDgAR47PDgsQdC82Du+3tmNBSaSO3VF8E/B1oMokE
ykdEvBzmZfG+u/tD++9u/sPOXLiRzPo8r167a8t3rnRfrnx9mzc9PBZsXeX2LODZeS+5OAZqsHcB87ess
OOfnzP4VLV5Wafsix5ILofHzgZNDAXgw08e53KK8EK9VltOzvfAghbulkyhSQgr8G4K1/Yn2EDI0DKQik
IYrQnNouTBY0lv5Cb/gERPvxbDNrL9976xfZmH5Dnclz4NQR2HJbHeCt9b+wfYHG+E1+7bYhCE32gebP

ggE06xnaVf7ozsfciQc3LO//dOi123lnk12OLDj39uwKLD1x9qKvRvthv7Dbe7GJbYh2D0cCvYvpe07ur3Gi
GCjvWzXumBvccjGDhgZkPMNG9ZroM1c9nZA6Aq7UHK52HN86PYIbNppz/7n3jG329Fzp+z5Ba+6/c+s
VXNtXe6Nbg/BvqIqsKpVGD42IGOI27uUtGsflAKBBR2QE4Kz+WcP1DZCzcdXpCA+0DYIQ+RpJ18UpAn
75/fh19H/aCIReI9b4IZyfMrp71ciyywN9jgju6X+DJFVXXC+4F7dITfIXb07Em7ZfANrgy37YM3T7YLgYA+/
4dXbexA05ANwbczczXbMS/N+UxW7h9tXMGAIR3+tsn7ODpo7Zox8d27NOTLr9dcCpTgrIPNi+1cYNG2
TvrFtoPHv5jt7n+eN9m+3f3/ZEdOnPcTgSa62T5WbdHAdeC6+vYtsQWbltIDFGP0i72wuLZnmPqt2o25W
gkHAvagvW1YF9UZB3aITSKtoqRGyT4UVAZjgVpITQQ5BB5iMnzX3QFqiMyAUgDqdBUkBAy0S+eQMzLr
An1lQlft/N+xf77Yr37fVg1R/aM/HxL04+PNAmS3Zd/4IfZtr5y4EWqbpkndp1sLmbliRLEuQBvWkmtY9O
eMLOVJQHZFnkNMq+QCPxnEaYdut9tisg5Zh+w93zkzFfBiYfmccMd8NNB2kuxYQ4AujbrUuHRkF5Jz98
XznOubaigPSEKN50LJHz51MHAftLgTkx2wEwVAGgxjYzVerrH3bxHXFaH5g7oAEPHv8R4La+BBRAOWqA
1l8+OYhJEWrsSeTe73BnRkfbFqGgOIVF1YGZljPgCBoOAHt8MsFs2zGQ99K5uQGf3DCt+0PuIBmwhQsL
bnuWmZVoh82sakgr1IYPBOPq12M+kFzSjYKULjGBbQKgh811wDnhD9v0k4+mFvyqUeZPIKYfo1CqFw
AoYK1wple+QC3SggPPnnailf/e537vM1+/bts1OnTtmjz7qPtqM7QwptCrXuRt+KJ48BvPEIRPug88PPfS
QmzwGmY9e8/rKnXfeaT/60Y/cJ0RvuOEGGz9+vDuP3ljm00z8ECaAdNjknHP69OnuK4oxPg+JLgLTz58P
n1DUZ678nyzwmKlHfbSVLyM6D9DH1fy9GO1wSDT770PIMGxMxYAGxh8gECYBYIAcx44dcwOFYPPRZjx
FDB6EYqXjg2TUUmzNnjlp+FA15OPDztSBbLt27bI1axIPWcnjKfzKISvdCkd/tNuzZ4/7UDZlFPSaj2MzaXx
3aujQoa5tjOzAXGu+pXHC8y9Q7lxsYTBX4ZdraUNgbl066Dy691aI8GAXAIahiFrhGECE+5577knm5A4I
w3lvvXWZM51vPLKK06Doc1ipAfzpjv/JGneQW+hgIc0wYtJNFxfLZR7FYRnkDKasx7TzZQeshK+7tiiCj
IAjFbdZ1q6lMhhjNF5pTQqaEARz46pt91JdsQAZaoInCey05LXyTEBKy9+IYq6NgpEgDBjQJSSdoufDJA8L
HYfzTI3V92PMekjCGxY4IdBAPCEUxA23AZCPPhuEUFwAF8VmOxWoEwWp1XwiiJT+oMSkatlgDmX6MZ
dlzSd1/fpRoBwNhWIHX5h/8uqpneTGPyadtcnHt2k/+ugjpyKPHz9uY8aMsYkTJ9r777/vLoDNOJ4rAm/w
LliwwG3CAZt0Hojdf//97o+48Gphf/KI8RURvtju3budZ4sb4s1f+uIceNXmzZtnd999t/OeTZ482fWXdtxi+
DY1IEoTYrQsaP40v5pDfy6jTD4WevJx/PhgIcelhzzKfe7LCO3QUHJAUibigAPko6WY1lB4o0iAE/N1cDxU
EIk/HyYfgnBCLnzp0qWuzfbt251njDxsWDxoeLy4UD7lj9sYlnNx7777rrux/v37u5vkLjyJGzlypGsH8XKfBI
6DFqNlgnnUHioTyCEBGYDkgBiyoJ107Jt4lGMPrVtkIX7IA+TlxSmB9kG75AtcGJ/zf+KJJ515ibxZs2bZk08
+mczJHLrF8K0yUMpLNSEMFvXw/MRoXogSXT+PeUP4JfhyMpBmywF5M2jDhqK+fYdFupPpEIO9XAFc
wplQB36I13QXr5UHELb/vrXv3YubAaNgybc7094tIqnmvy9v2Dik5Pf2qG5I5bAM498jV15EABScYyGURu
cDFhRgt7JQ3tJQwH148cQB0LSHySIDedFTmJCJfN8Qj3zzDPu+dMjjzziTFoG6vHHH0+WpkFzeJE2+ZJva
wcEEPy5BEpDKD+ferTj76PYtgA0DKFvQKSyVgB9seVAI9EPHCJwHmfNBBVqS1krhW6TmMDAapiJUTkgS6
tCmc3ZoQ+JXhxobwd0IU+lx+6NDRX1p9Ltt2YOxTSYbEjPlwFwKml9iFkPI4QrH4gA41QDI0jLhZ1OC+g
PUR0Pj60c+ROLZlns+FWQWHKEEDtqIiHrqnB0T9bSHSjdcQY8uXvHiXlv4850u3diohB1X2YNvj/7fivre
93EyQuC018Xx2j4AptstwnMa7hMNguaBMMwvWoQ09XGAYdrpZWxaqj3lBl8/pZEJyJd3IBamIkSSdsuZ
ULCTi2V/oYtrjtBtEhM0gAw6sU8oXPn83SWOFjyMuOgx+ZiQVM/PapDUUOtmHbHl/7zfpRsb9SHU0zMn
Wefe+XW4IHu+MDYU/LkUmEdpGsrwKiPwaCaZc8w52opFEmII1Afqzz8m7e+dpNkoo1+nnYJ01oTioj7
88EPbu3evsymHDBni3khjuRMXK1XbXKDbJCa4m08OFIE3hYwF/vSn7IHAN77xjRoXf8Z7KCFJnzWhhuK
epCfToyE0FOIYDg3GYB4yhV8XGWTutBiSfIRPGoV5R0Grfi2MmG0+ocKgf99FThrQD9oNjYIGRjGIRdIp
qDffnN1xjMk/tyBB668ld0cCQW41VS363t8VM+fvMwnPSYU11UPjtRjbGvXRcgBeeHEx4E35IkQR2
sKrnHRQSBfiAOZKF/n3BoJPVBOeYepNTLtDkTig7pHmbmzeS7tNfsWhqzKkuEb1XHxMVdbnZpoMfksJzn
JrjHzJ9D1ZNQbXgOUg/pywBNvYdCrqOEO9/w55N01DmRUeYOkmCyMZ/MK2kWFZRZsjkIDomLqI9MQh
DR9Iw/EjjTBefASSuORp5A1ofCSvPPO067T/fv31zL5csLOH5id/Sh5kH9wuwQGxb/1ojs+SKYS9zZ37lw
3iHoOJZMv3WAFuzIXZ0yott2CRvndwxSaU6IuoKFEDkjEnhhrivNzjHdOmkiOBfqIPqAe5ciAnBssuDzH4u
0d8kUmQk6EwuTT7535Jh8PPzlpNuh99u+s5GLdP4SfC7hdBR/FE69/GOB0cG9vv/WWG2StXhCKe0r7Y
DdJqK1vn7a1Lx516bpQXVQWyH7iaX1egADUYOaf+ImpdbmyOXmUH0CVfBDGR2XfyXatY58aQQcIevg
8CD2vq2l++Ytr5lCmG8e8U0o5WxNIBTEo97UQUB/Eymc/hcyj2ZB7ZA05IJ90TiYfyLuXrxE0IAbOnwyfU
FFDkrmAtCwNNepZSita+VfJozwhOD0/C51PIDw604r635Y8SoB5BjQb8LyRjyYhHy2FwPMX1pCBMgKkg
mCUR4G26hc5pz9IiyM7MvZIS2YE6Feeukl13lMvkAqwm3rZUI+CZfbqgfoa4UdbOqq/kVvurPMu+vIQj
FfAfimjyqjaKiNtaxff0fJecRqi7RVRkmH4A8EIP8TDvnmjQmIJom/FCXMsVK0x4CQh7IpLcr0IBC1oSiY94i
37lzp+u8pZk8jVN5oIG1icU1646rETUI84M9SPU5c+62vnLiTZ5gROICQP06FBCEVIwemStkVWwPId
oYoH3F5rEdQcRokw+QBCyTTTnEICtRPJMPnUj9pSFzj5CM4LgXC3y9tHulevXu5YbXI2+fKORTBQ3LICA
+HC7XOTpYn94XPPpedejvUf7DbEHqrSuln5pdo/sJgTnKBktqin/+6Udd/6P5JH+UGdhGpXbGUd62/inp/
y91bV/abkUQJYGoIIgqCzh9IxCz+ADHj8IA5/YkSZD8mC0gImHQqDvRakYItDOQFZ4HyQSGvvdBpnCU4
Gy2FrS0PUAAR8YSP5vjpH1fPHknWHwS4knms50UofuI58Bddn4t9MQjdW64j8nAL/5BkIbXis2WYMHjzY
xTrmF6s0r8SQjhiTDo8t2smfb78ukBZDptFuLK6QkRdppdIYZCmHuPRJubRZThrq+eefd6ync38PxpAXjY
oPftXVnz++g/+NxS4bQZBA5lqD6XhUb1gbXjXOmRq8IV+1i2/Jl890SBOiTpQ0q7I0neo7dXU2NYF7aH
8upob4IR9aKFnrmFIsDUJOyBEIMVoJfrjgTAArDRmHOGGo6nCMxpKmg3SUsQhnraF45Wjx4sXugnWB2JIt

BQyYJiE8GZh2rDqAwfUXBzbb+fyP/wsqJP7JK1KRCWHFNP+FxLITKQM64rFHxkm4MFD+0AONBpkom/kGpGkTRIWIzYFMgPVT04aCmZyYjrlhC3Bbe6D1QYwMP4eihcq+eFJ7s9/sJvZHiqBeu2hLudxD1VPNMQe qi7kcw+l+fOB8GP2CSyIig8fPlxDfEBdZFFkgijMMUBJqJ72UchCFHnVnuvJiVC8TcCvvnK0uSW5zQV/Qny Tjx+fYWAxERhkCMWLsvVBxiZfExOq8U2+7AiVyXoOKEAGApqJ+WQfJbC5ZHKLARDYL+kFaShBIF/0QA Y49r29qiNwnLXjx80gbLA2bPKh/ICf2YRrV5tOuIQpU6bYgW8+aE899ZT7aeX6kqk+yHRP1moQ3C6y4wc JcCYhCIF9CdIcmPDSifDKQQpikSIMCuCXiXiQyu/bbwdc/aBC9FU2FRpRQwF5gfl3HCqBJtNQwWwGIvW5 yU6FlqyEF2C7jVK2FncSbNYM4dop6ix4XUi/094AERCPiAsyGJNjzKCKOrk5DZnj8EKwAnITWlpYNDc4K 85f/WrX7mvYxDpNj07WdL8AZkKBRLouogl4YcQ5EMQv1ygnhwWgLG6oB4IYYHWsOIGkJK9rDQXzt2zZ4n 7MBPb7e6jm/qZEGAYB75RgD8U9cI8MKKsaZh/3IG+nhHtTojJ/bvPPqpOC9fn5jkSjOyWfyFMCp8SVHm NrLYBYED64b8p5PqRj5o9FHxlla8I2RSTzGqQUAd5oB9i2sp5geLgnKoDRKYaOCjImld88CQqkHf5/FePc kIjm3yAIFAJIQ80lckXnuh0aA1Oibqgh7AQg5dg5bkLg76wsuSwYPzUv5OP4JhAHfZiEE5PrI2+XBG4Ege Nm2azZgxw7761a/mTqYmQnhQWjKCKU6mCgf+/EnIFRB8iAEJQCr9QT3f5BOJyONBrkA9aTPKfbhzBg2 z0lDgtddcc+qTf2RbssnncNucZKI2WNkYqIZySuTb5Gv2Tok8vhyL6ErwUwE5xNyjHkoA8w2NhdKwbofr PPHKWIic6h9ScSythNZzXyv0rkXiIVDsn3BMhH9Tic0gcn4BGKjxOwKPA2Set8sMuU1iVklr6g93wFUyY 7fAG9k/MHfSNFWqxZF6vhfQpwZ5BPJ4nsVrRvQTPn/e3ObYli3tTYla8AgFgXitk+CtrgHu8xmZlxyaC17 qLBgC5hnPINCPlkRZioRQe/ACQhhMkkiFD0EyXveSEU35TIA89f+tKXnKbKCCQeeCdi5I3nQibj9v5OJ/CB TQIVZqV2sysualhUam1DtigOTL/RybCaIhSmmIgRZX5RhtbB0ydCYdJRI0Uy7O2jHoF6gvoXOGZPhcbjT +fDpMwLoXCf8+3YqVOnOkLxd/vZ7qGaCvzAfbhMgtR6KjMhFTIIVFOjsQkVhbBQRkGE8okjQmlvI0ikiXm mqDfGqcf7mEUJiHfjs0HhrNJ1QY9EnQb6M3CKFaG9hD8dfIDHz9/8AwgUz3UE2Nxt5DZyUeyjJrwRbe ygdo6EgFERhLvWDLjIB1JX3D9AfZp9c5z44D33qfFGOCVcn+CcmVAisXvxEGhrKf7BbH8QaKr+IMvkQX QJEgBw+nHAHBEAzUcac8hVM9sS8IMu8kvYtd/qBaNJQIiUQTXQ+iIqGxdkBcH5Axs8bnjGcbc1Lsd/+9rf tu9/9bsO+HjsUihj1hz9u4TEUGSASZSIOMVoJLQXR/PGnDQHChAF50HKQRl/aQDth+kFa2qH9YkKIAQP YkNAkxsgNIobIiUAggvZZpKkt3ncBjllMISGgHiSCMMSQiva8cYEWI2Yfhemn51oxoerACy+84P7m69VX X03m5BeshJgKmb9hQYiRHiKET44wSaRtGGdpFQhDvu8IFEHTRoBIZa0kQ6vhJkezqT4ajv5Unz12vIdKA R5Y88V5wCA+9thjeXdkMKFMNBPGytcUaMIOCYmuL8Iiue+UwMJgfHEiMNZoFuoz3tIqHEMMAIEIHPfz BF7LgBpKEMeSEMyyMk5yaOfmFANhEycEmyAmZC6nt43NFq6U0IxAu7viSAEMVoGIkEM8moEPYCS6g B5++iHeYGImlHEEA8iQkz1zT6KY/ph7jg3iE2+JoYmNEb2QKgjKMFPA7QMgi/nhLQJdSAa5CGmvmk80PI B+fUijMoDWgqSui0wglQaMOANJfThyYiRPUSkcFrEQvgx1xQzP9oXAY4pkwkHodBKaCnSUEBxStiyE2+ NOALI0zAE0884dQ8D30zwdXKYILsvEXOBGoFZRvsCpR0ClbZ6sSfIzRnVlLcL9j7uW1rXiBjAHokxAj5+/ HiXBjwvYnWZzXZHCARRaMu8Ajx40mJ47kLE9UXMaHSYM6cOc6O/vrXv57MqY2o4dPq6IN64fzmQKiW DBEqDH+cGV9pJkgCwdA6HBPYHxEzP2gijnNBTKhGhE8q0ppoVIVIFaN+kOiGRdgfY7QOgUURU07HmHt oJghEPWIIlas3Hu+hGhH+RAOIxEQ21T6KP09ZtWqV+2HPlogwYKcVnUhTh8AYYwXobXM5I3i9jDnQvip XxIRqAjDR4dAU4JnamjVrHLfAikQWoDEMkwJtRJ72UaRZyPDSofZ4Fw9CyftOFTGhmhNRSaAcOmrEi 0R/oLkE8nfW6GNfE+cZGxiCERdjjEB6YN0LogJlScwGUwOcSYhXfCTS5CdT9qvRzrVOVTml6sv9UPQORR YmYn9vuoKfv/5DH6/6c6he4lajCj387k/AsTSHkkOINJoJ4jFoiJy5oKYUHmCJoIJTQV/wsITxzGTTmCiellg u/3W9c5wmXqv+fWQOjsI/jDUP7aGgFNB/oOX3c+keq+IK9r1DWE6+vYv0btUYkKjAphOucGHJBKOoA xiUXxF6+PIKHJEqJXSpBrKuNoBXR1Qb8oCfl/JEYcOGDe6vrSdOnGgjR450eX5d+IGfwo/XP3+6688U Oleq/sLnBDomVnlU28ZCrKgaGjKIAEKuVVQhfkW8P590KjIhflwwipcLUB+EiavrC1+jjqOEX8IOSovYTwT +meCf0w8qC0N53GtUeWMIJlQe4U9mWHjCguQjUyEI1+M4HASlo86ra8Pk4WffcEwAn1SEuq5Z8M8ph K9Dx346k76BrhXQVoRXX35oDohNvjxDAsAEKxbqmvTWNITbCqnyBfWTrg7lxDzchEj+mxrkI7jUYdVPd8 5c4F+Lj1Tni6rXUNeWDWIN1YDIZaL9tgiRQjpkck7VwRnBH0/ycBdPmEC5iESI6tO/JoVsQN/htnXdA2V+ m7rqNgViQuUZyQHJVNAyESKFVPCFLN15eUvg4MGD7u+F9CfcPnSeVP2Er4d6aDV5JWWaZQL/etVfOjS H/ViUYkI1ALS6g+Y46QATD1LxK6i85xYFX9BTgXIRyK/LMQ9PMYEW7ThXeKzUH3FUPzGhCgQSDl/AQP g4n5BQ1gf8Sg9/rpCqne4hFSIUxgIS9jqSByjPhFRR1+CPoV90Oqp+08Ps/wMvoEiI0PKIZAAAAABJRJU5E rkJggg==</Image></Frame><LayersContent><?xml version="1.0" encoding="utf- 16"?><SerializedLayerManager xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" PlayFromIsNull="true" PlayFromTicks="0" PlayToIsNull="true" PlayToTicks="0" DataScale="NaN" DimnScale="NaN" xmlns="http://microsoft.data.visualization.geo3d/1.0"><LayerDefinitions><LayerDefinition Name="Layer 1" Guid="3f1c55e6-ae3-4d0e-b211-eb4903e561f2" Rev="5" RevGuid="4a3a0bb5-d2eb-43f6-a6f0-61328034fdfd" Visible="true" InstOnly="false" GeoDataGuid="dae80666-9362-4607-a2c6-511d76749d59"><GeoVis Visible="true" LayerColorSet="false" RegionShadingModeSet="false" RegionShadingMode="Global" VisualType="StackedColumnChart" Nulls="false" Zeros="true" Negatives="true" VisualShape="Square" LayerShapeSet="false" LayerShape="InvertedPyramid"

```

HiddenMeasure="false"><LockedViewScales><LockedViewScale>NaN</LockedViewScale><LockedViewScale>NaN</LockedViewScale><LockedViewScale>NaN</LockedViewScale><LockedViewScale>NaN</LockedViewScale><LockedViewScale>NaN</LockedViewScale><LayerColor><R>0</R><G>0</G><B>0</B><A>0</A></LayerColor><ColorIndices><ColorIndex>0</ColorIndex><ColorIndex>1</ColorIndex><ColorIndex>2</ColorIndex><ColorIndex>3</ColorIndex></ColorIndices><GeoFieldWellDefinition Accumulate="false" Decay="None" DecayTimeIsNull="true" DecayTimeTicks="0" VMTimeAccumulate="false" VMTimePersist="false" UserNotMapBy="true" SelTimeStg="None" ChoosingGeoFields="false"><GeoEntity Name="GeoEntity" Visible="false"><GeoColumns><GeoColumn Name="City" Visible="true" DataType="String" ModelQueryName=""><Table ModelName="Table1" NameInSource="Table1" Visible="true" LastRefresh="0001-01-01T00:00:00" /></GeoColumn><GeoColumn Name="Country" Visible="true" DataType="String" ModelQueryName=""><Table ModelName="Table1" NameInSource="Table1" Visible="true" LastRefresh="0001-01-01T00:00:00" /></GeoColumn><GeoColumns><Locality Name="City" Visible="true" DataType="String" ModelQueryName=""><Table ModelName="Table1" NameInSource="Table1" Visible="true" LastRefresh="0001-01-01T00:00:00" /></Locality><Country Name="Country" Visible="true" DataType="String" ModelQueryName=""><Table ModelName="Table1" NameInSource="Table1" Visible="true" LastRefresh="0001-01-01T00:00:00" /></Country></GeoEntity><Measures><Measure Name="Cars" Visible="true" DataType="Long" ModelQueryName=""><Table ModelName="Table1" NameInSource="Table1" Visible="true" LastRefresh="0001-01-01T00:00:00" /></Measure></Measures><MeasureAFs><AggregationFunction>Sum</AggregationFunction></MeasureAFs><Category Name="Model" Visible="true" DataType="String" ModelQueryName=""><Table ModelName="Table1" NameInSource="Table1" Visible="true" LastRefresh="0001-01-01T00:00:00" /></Category><ColorAF>None</ColorAF><ChosenFields><ChunkBy>None</ChunkBy><ChosenGeoMappings><GeoMappingType>City</GeoMappingType><GeoMappingType>Country</GeoMappingType></ChosenGeoMappings></GeoFieldWellDefinition><Properties><InstanceProperty InstanceId="LatLatValLonLonValAddrAddrValAdAdValAd2Ad2ValCountry'Table1'[Country]CountryValUSALoc'Table1'[City]LocValSeattleZipZipValFullAddrFullAddrValOldOldValCat'Table1'[Model]CatValFordMsr'Table1'[Cars]MsrAFSumMsrValMsrCalcFnAnyMeasFALSEAnyCatValFALSE#"><Annotation><BackgroundColor><A>0</A><R>0</R><G>0</G><B>0</B><ScA>0</ScA><ScR>0</ScR><ScG>0</ScG><ScB>0</ScB></BackgroundColor><Title><FormatType>Static</FormatType><Text>These are cars in Seattle </Text><TextTemplate>{0}: {1}</TextTemplate><FontSize>16</FontSize><FontFamily>Segoe UI</FontFamily><FontStyle>Normal</FontStyle><FontWeight>Normal</FontWeight><Color><A>255</A><R>0</R><G>0</G><B>0</B><ScA>1</ScA><ScR>0</ScR><ScG>0</ScG><ScB>0</ScB></Color></Title><TitleField>City</TitleField><TitleAF xsi:nil="true" /><Description><FormatType>Static</FormatType><FontSize>12</FontSize><FontFamily>Segoe UI</FontFamily><FontStyle>Normal</FontStyle><FontWeight>Normal</FontWeight><Color><A>255</A><R>0</R><G>0</G><B>0</B><ScA>1</ScA><ScR>0</ScR><ScG>0</ScG><ScB>0</ScB></Color></Description><FieldFormat><FormatType>Template</FormatType><Text>Model: Ford</Text><TextTemplate>{0}: {1}</TextTemplate><FontSize>12</FontSize><FontFamily>Segoe UI</FontFamily><FontStyle>Normal</FontStyle><FontWeight>Normal</FontWeight><Color><A>255</A><R>0</R><G>0</G><B>0</B><ScA>1</ScA><ScR>0</ScR><ScG>0</ScG><ScB>0</ScB></Color></FieldFormat><DescriptionType>Bound</DescriptionType><ImageSize>Medium</ImageSize><NamesOfColumnsToDisplay><string>Cars</string><string>Model</string></NamesOfColumnsToDisplay><ColumnAggregationFunctions><AggregationFunction>Sum</AggregationFunction><AggregationFunction xsi:nil="true" /></ColumnAggregationFunctions></Annotation><ColorSet>>false</ColorSet><Color><R>0</R><G>0</G><B>0</B><A>0</A></Color></InstanceProperty></Properties><ChartVisualizations><ChartVisualization Visible="true"><Type>Top</Type><ChartFieldWellDefinition><Category

```

```
Name="Model" Visible="true" DataType="String" ModelQueryName=""Table1'[Model]""><Table
ModelName="Table1" NameInSource="Table1" Visible="true" LastRefresh="0001-01-01T00:00:00"
/></Category><SerializableTableColumn Name="Cars" Visible="true" DataType="Long"
ModelQueryName=""Table1'[Cars]""><Table ModelName="Table1" NameInSource="Table1"
Visible="true" LastRefresh="0001-01-01T00:00:00"
/></SerializableTableColumn><CategoryValue>Ford</CategoryValue><Function>Sum</Function>
</ChartFieldWellDefinition><Id>1a268f53-c1bd-43be-a003-
252909957508</Id></ChartVisualization><ChartVisualization
Visible="true"><Type>Top</Type><ChartFieldWellDefinition><Category Name="Model"
Visible="true" DataType="String" ModelQueryName=""Table1'[Model]""><Table
ModelName="Table1" NameInSource="Table1" Visible="true" LastRefresh="0001-01-01T00:00:00"
/></Category><SerializableTableColumn Name="Cars" Visible="true" DataType="Long"
ModelQueryName=""Table1'[Cars]""><Table ModelName="Table1" NameInSource="Table1"
Visible="true" LastRefresh="0001-01-01T00:00:00"
/></SerializableTableColumn><CategoryValue>Toyota</CategoryValue><Function>Sum</Function
></ChartFieldWellDefinition><Id>7026d600-99e5-4e31-9ce3-
e666d74331f9</Id></ChartVisualization><ChartVisualization
Visible="true"><Type>Top</Type><ChartFieldWellDefinition><Category Name="Model"
Visible="true" DataType="String" ModelQueryName=""Table1'[Model]""><Table
ModelName="Table1" NameInSource="Table1" Visible="true" LastRefresh="0001-01-01T00:00:00"
/></Category><SerializableTableColumn Name="Cars" Visible="true" DataType="Long"
ModelQueryName=""Table1'[Cars]""><Table ModelName="Table1" NameInSource="Table1"
Visible="true" LastRefresh="0001-01-01T00:00:00"
/></SerializableTableColumn><CategoryValue>Peugeot</CategoryValue><Function>Sum</Functi
on></ChartFieldWellDefinition><Id>feff13e3-65c6-402e-a08e-
6741cecc1a28</Id></ChartVisualization></ChartVisualizations><OpacityFactors><OpacityFactor>
1</OpacityFactor><OpacityFactor>1</OpacityFactor><OpacityFactor>1</OpacityFactor><Opacity
Factor>1</OpacityFactor></OpacityFactors><DataScales><DataScale>1</DataScale><DataScale
>1</DataScale><DataScale>1</DataScale><DataScale>1</DataScale></DataScales><DimnScal
es><DimnScale>1</DimnScale><DimnScale>1</DimnScale><DimnScale>1</DimnScale><Dimn
Scale>1</DimnScale></DimnScales></GeoVis></LayerDefinition></LayerDefinitions><Decorat
ors><Decorator><X>584</X><Y>12</Y><DistanceToNearestCornerX>12</DistanceToNearestCorn
erX><DistanceToNearestCornerY>12</DistanceToNearestCornerY><ZOrder>0</ZOrder><Width>
400</Width><Height>250</Height><ActualWidth>400</ActualWidth><ActualHeight>250</Actua
lHeight><IsVisible>true</IsVisible><SetFocusOnLoadView>>false</SetFocusOnLoadView><Legend
><LayerId>3f1c55e6-ae3-4d0e-b211-
eb4903e561f2</LayerId><Minimum>350</Minimum><Maximum>650</Maximum></Legend><D
ock>TopRight</Dock></Decorator><Decorator><X>298</X><Y>215.5</Y><DistanceToNearest
CornerX>298</DistanceToNearestCornerX><DistanceToNearestCornerY>215.5</DistanceToNeares
tCornerY><ZOrder>1</ZOrder><Width>470</Width><Height>288</Height><ActualWidth>470<
/ActualWidth><ActualHeight>288</ActualHeight><IsVisible>true</IsVisible><SetFocusOnLoadVie
w>>false</SetFocusOnLoadView><Chart><Type>Top</Type><IsVisible>true</IsVisible><XYChart
Type>ColumnsClustered</XYChartType><IsClustered>true</IsClustered><IsBar>>false</IsBar><L
ayerId>3f1c55e6-ae3-4d0e-b211-eb4903e561f2</LayerId><Id>1a268f53-c1bd-43be-a003-
252909957508</Id></Chart><Dock>TopLeft</Dock></Decorator><Decorator><X>42</X><Y>2
40.5</Y><DistanceToNearestCornerX>42</DistanceToNearestCornerX><DistanceToNearestCorner
Y>107.5</DistanceToNearestCornerY><ZOrder>2</ZOrder><Width>792</Width><Height>333</
Height><ActualWidth>792</ActualWidth><ActualHeight>333</ActualHeight><IsVisible>true</IsV
isible><SetFocusOnLoadView>>false</SetFocusOnLoadView><Chart><Type>Top</Type><IsVisible
>true</IsVisible><XYChartType>ColumnsClustered</XYChartType><IsClustered>true</IsClustere
d><IsBar>>false</IsBar><LayerId>3f1c55e6-ae3-4d0e-b211-
eb4903e561f2</LayerId><Id>7026d600-99e5-4e31-9ce3-
e666d74331f9</Id></Chart><Dock>BottomLeft</Dock></Decorator><Decorator><X>298</X>
<Y>215.5</Y><DistanceToNearestCornerX>298</DistanceToNearestCornerX><DistanceToNearest
CornerY>215.5</DistanceToNearestCornerY><ZOrder>3</ZOrder><Width>578</Width><Height
```

>426</Height><ActualWidth>578</ActualWidth><ActualHeight>426</ActualHeight><IsVisible>true</IsVisible><SetFocusOnLoadView>>false</SetFocusOnLoadView><Chart><Type>Top</Type><IsVisible>true</IsVisible><XYChartType>ColumnsClustered</XYChartType><IsClustered>true</IsClustered><IsBar>>false</IsBar><LayerId>3f1c55e6-ae3-4d0e-b211-eb4903e561f2</LayerId><Id>feff13e3-65c6-402e-a08e-6741cecc1a28</Id></Chart><Dock>TopLeft</Dock></Decorator></Decorators></SerializedLayerManager></LayersContent></Scene></Scenes></Tour>

<?xml version="1.0" encoding="UTF-16"?>

<Visualization xmlns="http://microsoft.data.visualization.Client.Excel/1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"><Tours><Tour MinXmlVer="1" XmlVer="1" TourId="ec60d2e0-507a-474e-9274-6cfa4a58f6f7" Id="{E2F97C41-C1C2-49B9-9FF4-4D1B3A9A3911}" Name="Tour 1"><Description>Some description for the tour goes here</Description><Image>iVBORw0KGgoAAAANSUHEUgAAANQAAAB1CAYAAAA2ns9TAAAAAXNSR0IArs4c6QAAAARnQU1BAACxjwv8YQUAAAAJcEhZcwAAAYQAAAMkAbQeFOYAAC2qSURBVHhe7Z0jKB3Fmec/dUtqSS217vs+ASEhDgmEQQbWCOxQLDZ4DBh7Gdu7sThrITbCE7MzOzETs/asd7wHjvEugwfbM8Y7AgwIkDklhGUd6Ba671tC9y1araNbUrP1y/f+reiyXr/X770+X/0hIVI5VVXm98/vy6+qX7X5LIC1Ely7ds0qKyuNW2rXrp21bdvWioqK3PHly5etvLzcHbdp08bFIAOOFAqrq+3SpUuufYcOHVye6gich0C/5Kufq1e vunRxcbE7joKGWzHXkQIUH1y4cME6d+5cK8+/vIRQfepyyj51btmyxc6cOWNTpkxJ5sRIB2TgypUrbs5rZCKY5Ouz0sJx8eJf6qqc0To1q1bDSG46fPnzZuBBwxESUmJGwQRTOAYUgHyw4Eyhoy+IKYFYJEFEmoHwZ11I7y8PI9qE4Y3EuXLI1qzkmVOCCKIN9zhkmVIZ6A1ljbJGn9u3bu3HNbHlsIZBgl5WV1dIu586dqyEUGkw3T7kvdAoImoTODZJXl1h5aku/BI4J0I4KEMgnqd83x6kQLIN/gvqK6oM8BaB2fl6M3KC5ZS5ZxEm3KkIhyFp1faFBa5SWljjozCdKxskAyCTntAMIJGcJS5EMUYuqGhbNjx46unvoRsagnQfeDTzxAXqZQGyF8HAbX5NfXR4P8d01jpAdjTEDmiNlStCqTDxw5csSZQwQfCDLaCbOQASCZAg+xyIj5NNAUZ98hFDE4Vhp5ase7dUHYGglwBlmfID9IPeHpk3Vp6Y1qpwyFhX6mLtknV26kqg7uHeZTRw3yqXD0D7ni3EdmnOAFcFTrY5QaB5pIh8IREVFhdTPMRCQjVsnjaAwMBJ6yEI9yjEfmXu4ZhwI3bt3ryEOqA9hRf4Hpz9re6sHu7xpQ8rt2f/ytL333nvuHAcPHnSmzJgxY9yYf01rX3P1YiQAIYBkh4W1VZI8oFonTrWETEBAuGm0BzGCAMkAwqKYQU LrSAuh8Q4fPmyHDh2qyc9HwFPnJiB5DEFOnz5dqw7n514+/fRTV98vE7gXEYm6CrkAojIOjBnnPXv2rDNvY9QG44McMY+MOY6uVqehuB0EUapYIF8BwUVbMRA9e/as8fahqSgnLU22detWGzJkiL377rt211130Wch7SAudTjXjTfeaPv373c2NB0NB0i/fv2cFmSVp08E8ujRo6588ODBzjYvXu3M7vuuOMO+/3vf2+jRo1y14WGPXHihBNmrg0YDx8+3F3fhAkTHIFOnjxPXR0SN5dApXHEMISQRpgynd/bAeu9nF5Xx5Rbb/80Z+4dIz0YLxZeBhrralWR6i6gPDreRQDADHQWAg7gyEvIwMzFbS3brRx48bZW2+95coR8mHDhrnyzZs32y233OKI9sYbb7i8kSNHOsIi+JDik08+ccKPKQqRqDNixAg3EWvXrnXn/+Y3v2I79uyxhQsXunPg8ofI9AXJNmzY4FZCiPbk0+6a48iFNB0ZkooyCrThf579erl0jHSA1kCLLJCwRCq6mq1bTv0qe05ctZGdC+yQb07uwHRRhtBVkAYETIIyN6ra9euzvQjH82CCQZGdQ02OjRo92DUQYWEixdutQmTZrk+oUonAeS907d23bs2OHIRt+YUvQ5dOhQW7VqIRNoCEc/nA8iI/AIPmXUv/XWW12bVITKBFw390m/yxfMscsXy11+/yEj7cbxE106RnogG8gJ44i5BwqGUEFOXLS/mLnOlm47Zjd0qbD/9m/usn490jtBBZh5CLn2KKRBC3VK5EIoTcXaGeLO+5t77J7O01z+sk5f6nTf+HSMdJDhAIQCmIVDKENqywh/zyI1u9/aBdLT9h//Yrt9h/fHRysNonVmXiBDDBSGvlQs1N3Bt7LF880zTWJepxyJBOXWljaMINX/+fGeqsthwLvaEtB0wYICLMUHRuj/5yU9cu0IFY8PiRiYcMJ6tZssXBQSoa8dgAz6mzEquVQTH1fbq/A22eP1uV86AsOoTR60vCA+rkQ8ESx4eH/ShGPOqfVr8GmXK8LXCVf8Mf9nNMH5iR5LBh1EQ/ce++9tnz5cmfKsn9kcVmxYoWtXr3alU+bNs3FhQzGkvlNtPeXrcgNBQ3fl6iwg6d+NT+52+X2sIN++3a5Ys2ZnAP+4cffNX6dO/sCIOgoaHYVzE4rDis0qzI7HOOHz/uyvDesWofOHCgZk/D/gYhXkuHV5C69EE9Avuhffv22d69e+3222937aQV6wvuB49h3759kzkJgokkpJlszEJWTjldILbsfWJcJnsonC8LFiywGTNmJHNiAC2o0vaMe/EPAYTLWy0QJgSsa2IH69yppg63fddTKLwfCXI7hSDBhZMJtjIBxTH2Elpg8ORZefvI54ygDOHs37+/rVu3zggkXjmZipAQBwRIEiBZ7+CmcbxoEGDnMcvW0JxjZAUYNONCgITq3Ny/Uy27oXrZtEg7TRVU47WtdcA695nkHXr2cc9DgijT58+zpMZozaYawKLL0PpZCYY/FavobhFPHMIYnX1Z/azN1bai/M2WFm7SrttSGf740fus6H9e7iVm9WcgYGACBfeOYQqGUSLyZvDg1gEE4KRr0HluRn7DepzXvIRboSaevSP5iLOFlwFkCedfK0QegfsuBQ4bw+NN3kc73/YcqPrehgYkEZ8HC1/dUvop9D6fYjOvAKmEeWNh4GM54FofTAqBlEiyzFVX2p8+9b2t2HLbu7arsnIFdsfo3jaof183MAg7ZMKLhqZ h4CAGQgihIAAdJyJBPKiHeSVNwX6JgW4IQcJe3kBDhuFPp6+1wuD6Cf/5wWet3f7Eq0e9vIjuf/rs0zVOCe6Le0dDLVuz2kZONer6f+CBB+LnVQF4tsgzR2SFsWzXLQinhAAZuPmyjsU2/dE7rVtpBztzqY0t3nHOPjI9yQ00+6X169fb9u3b3WoPeIvh448/dhvyTZs2uQeyixcvdg9iWaEY2CVLIti2bducmcfDY0o0FBDqVotgKhLVd93kDw3pC0cE2o43NRgTHBVo+XgJpwQyxUJKzGjDUBoKsLpDALTVKwu22d+/tsSqr1Ta05PO2Tcfec

y27z5t5QGR0DyTJ092rxXxsijDhOnGqo6A8bYfJhBvPfdmBIRjgCnTc56HH344edb8ApMODYVpGQbXSY
AMmWio5R+ssyuXEiLQc1CZ3Twx+m3zGJ8HMqC9KoRCrgqOUNwuew200cXKkpv5+su2bfvHdk+/HTbl
7i/z4Dv/0tau2+g0D287QCgGjTb+UJGWULKXwvyjDoSCTMRRG/x8AEKxVxs4cGDNNaUjkEB96unaY2Q
P5gFSMd/sV5n/giOUwJ6Hwag8u95Orvozu1B+wi5cbmOTn3rHSntNcC+7MkBoHx/phFYC60N5yteQcxx
VPx2YSNzmeAvVr/pS3xA6CjqfCPX8D++3G/udcmXHqu+xJ78fvymRKSASlg6aye2fgjEvWELpts+cOmr
nds20E5v/0c5XXLTi0mHWZthfWgm3QU6VQypMObmaAWm1RzhlSwOZfeQLaDhMSDk21Ib+sLu1t/Ph
9++DfK6JwCT6oEz1SSuQRyCtMu4Ns3Thrx+w+0clHnAvPPqv7f4nfu4eAezcudNpaV7O5cEujgi8ijzwjZE
AhGJxw+PLvLKKXkihA8JXpviDlbZ8TZr02WclbQvskvn9tq1k3Ns5IihTjuhBXiASmDPgpmFh4vBw6WOJ
5CAcCOgCCqEE+kYdHmBIBZEYhIImImQiTo8ICRPk6SYOpQRSJOvoIfGBIj1mX/5gfyKFM510BFXEcqc
M8ICX/a8vrrr9tNN93kjhctWpSsEUNgXplDjWnBaijArSMou3ftsIqji6z4+L8EG/TTvtWmh42f+r+s2+D7A
gG87ATR1yK0Q9ilcThGkzGgmADUJv8koB4ahWOIpyGXlqIvYtr5pprq0ZY0dbQQqAyQJkgz+mU1C0cyF
rg++tu89AXr3D7xKtTVkuE26pavuDTg+mbOnGnf+c53kjkxfGhhk/vcmeDB4Bc0oVjFIU5uVNWvuc3d
m7n/7OKS9VWNvA+G/uvfmzFHxonayeEMLyI5QMqohBWg9tpVEgFDECj+ZCuEUc6pBhv8ScwyeNCK
Jp4jhMDpWrrl8OGf026odzcc0xsoesB17xIsYkLiTT0Cw0Qw9evWzYZP+k5V0HW0lbQPndWiF7d84y65e
qXSCRz0GDdIq/Bwj/ASEU8eYfMQIrvZNBEILUNOXSEVA69Ev7TmWwAMdE1OuOgJlqq8yYkCaINJo36X
+YuQOFmO9WqY38wuaUAgWwg5BCNXWwfpP+ltr07ajFdtFO398nVvXnqoRQognDYXgikgILEUQSWn1
q2O0FjGrmtpzTN/0A6gvkihQB4TzmTxIShwu8+vL1MRs9a81Ru5gTHmLhPcy9cQqBa+hAIKHsDlitR9s/
Sd838p632zdeo+ytu0Tv6BEoClJoEEsBFMCCzimHkQSWSGjh0AoVjSOZRqKQIA07WIDmaByQJ8K9KNz
AYgqE1MEgnKcydP5YUqPOKd4vYw5YO4Y44LeQwGEW6s3gorQF7W5alculX2JZ2sQ9mgoFaRE1aEHS
EG1EeoasP4aYVvzomHYJMXTaumAbUE0IJU49jaTzaqm/SxATANfjHAvU4j8hEf5CY+vQJyCMA+ifEyB4
QSIjY4mMFDyhGAzcczrtGRRf2AFDxMARU18ayhdsYsoJSkNOVjCEGiDs9E97yEMd+oFQMifJ1/kpBzOH4
PyUiStHovRBHfrRdagv1SHNOWJC5QbGmYAlOdkpeJNPAslgIHByKgA9uwGUKc+qLzIpH6gfQNoPACLRj
va+ycdkSLDpi2OISBlQe8XU9cmkfiFyyElfBNX1rzOqXYzswLiyGDOfiCZUIFi+8KFNEGiIRB4kkgCU+YLIA
JKmvoKgtF/mtydNn0yEhF9EQKPJVINUMjWpj4ZTvn/NQNfIQ3UFw5tY+QOzSdzWfAmH7eOucefIzAgC
D0mEoJImS+QEnqIREw9QD0Jp4aSYwgAKdkzKV/tKYe01GGPBWkJ0lqUc8xEQSiC/XA91CGfQD00GnU
ho8il6wnDvz6uhRAJe2iBzCmbm6SZULBkIvNiLkDAorDYOFwCPgCCICC4mIOaYeA4Iac0yglwkkzZUDC
D+iPPrUK0qqBziG2BBE/RDTjgABd0iBIR07trkOaLatfnn4ThG7kAGJAfMKfMSvykRkAgBBrx9LnMLSIgF
CTqDJ6JJcwnkM8jUI+b5BO3I18DTTn1ABupCJOUBEUp9iUD0oWNAWINITDnkUnugtOr5/cXIHiy6gHEI
MJ4FTSgIw1NuVhaGAW2DAEuoJbwIKHUBgi8tAiTASgv0w4BDGJ+kiinn3GhH8pgMziHtg5YEog/1KaMu
ZirmKdfB9RH8aSt5xOHERMqdzAn/pyDgiYUai1I6CATwoxpRR4DRh7C6wuqL6TkExhgIEGlf/K0T6KN6q
oMwhFTLmJDLGLti2hHHdVTTBnXJKJTT2na6xqV9vNiQuU05gH58Me1oAnFSg8YDAkoQEgRagaLfl/Mh4
SUegwukBahDHMLLUe/dGHCCti6jy8qUweaQJp6qGJJpiczbSTEBxOuiaVD8mVO7QPAqOWIVKKASMP
RNaAMFCSGPEqA8gFAuiYmTq88tugcDfOxXomhIjR0Ai9t2yPrBkCIJDccs8e4JQaCcGI9ZQLQMS1/qYugA
tQhvmOqot/VIHgmCWC9oWAO2FdQ3UJ02eUJCEYh/iDzDA9IvRNKiPCFKXoHILBdVR38w3j0ggS1Rbyvl
RT/76lj/JYDuAB5bfWhw7dmyNo4pF2N9T0z+kJbh8l1tgYHAgkzblWsWEfScP23+d/Q82a9W8ZE40Vu/d
bh/YutL+/LfpUdzRuF50dUBi3estoXbv7I0GP84/xUXXw02uS8te8elfby3frHrCywK+kjVj8C5Tpacem1
+7FYX772M/vNkrsy+HdVnE50U9zh8jjB8DcKV0XqENdggYRqHbkQRACpKAev6fBx+74HREe2DB8FN
hpCnXYqz+yXOHED4W4IPBwzOjgRB8tf2rhbPsrX/5E7t54Ej7P/NetBPlpx0pthzZY2+vW2DDeg+0bp262
Pyty23ToV32t49Nt4Nnj9nxoN6yneys90Hd+VuW29FPT9naA9ussqrSRvYdYvtOHLIF21fbvlOH7UAQBnb
ra6v2brKhvQbY//3wRbt71AR7Z90f7GTFOTt5/oy9vOI9u2XwGPv5/JftyNkT1rushz0XpCFdl5JS1+dv179
nq/Zttp1H99s7axdaaUmHgHwfufNOGjHeKioVBQT82P582vfc/b4flP3TojesJBAwCOr8OevVpZtLNxVSkU
NzFBVUngqU0S8B7cOiCanY00eZ99RnoeX3DgGmHiaeyCPNRFrnFRE5ph4oSA3FKoPqZ2AJvrl3PFjVe3d
JfBkQwe1X1tNp0tMXyu3mASOsd+fu1r9rb9t9/BM02eY/fsHHrcf/u4523xwl50JhPPg6WOBk161x+/6sv
Xr2tMqLl6wso6dnVZoV9zWvjmmDtcHBjM3eYkjBXhw7GSbt2mpnq/q9ehUZueC8/3ZI79nf/Pms/bkXdPs
puDcb61dYFPGTLT1n2x3fQGIDZl2nzho06d+y34ZLAaj+gxy52GiIe7wYAEAZ4Pr45oeHvcFO/HpGVu3f5
sN6n79kzhNBWmHcJDwRgXKMwFmHvsyILQyxvnI7zIQip+2x1AJIhFrD2T2usaRFzyC45Q3Hhd6Btoget
XKm1mYB795qPZdjRQFp07IIPRMNA0hRxr920N6vWyUxVnbemONda9Y1IQXmQ7ju23vacPJXsya1+U0A
JV6/UaIR1B3c4rTzx+LhAO222Ad0SPwLToX2JXQrO+/D4e116b2BCvrH6Axs3cLQt2LrC1gUk6tOle9B
XpX3xhsQ3nCD/xoM7rUfnru76CF07dXWadPHONa7OHcNuDrTVVpu59O2AdIesU/sOAVnPW79dvevzQ2e
NW2iH7r4A0NSTIqQLKIGYBzdF0Au+RAHLxRFDPCynjeSAfjMC8o71emKaMNoB8wc9zIcioW8JaEeq6VX
+QMsWslXptsUITrbio7gekr66YY09Mvv7zXGDFrg2BNrpgU8d/IZnTuHgtuPbbho610f0SGrIlgviUSKwX+J
s2zDxIhYh7ZOLtsw95cQco80ol/Wic0jLybzzoX5iQiWRDaFywbmL55251IRo6vPna/58SqDDgAR47PDg
sQdC82Du+3tmNBSaSO3VF8E/B1oMokEykdEvBzmZfG+u/tD++9u/sPOXLiRzPo8r167a8t3rnRfrnxe9
mcz9PBZsXeX2LODZeS+5OAZqsHcB87essOOfnZp4VLV5WAfsix5ILofHzgZNDAXgw08e53KK8EK9Vlt
OzvfagphbulkyhSQgr8G4K1/Yn2EDI0DKQikIYrkQNouTBY0lv5cB/gERPvxbDNrL9976xfZmH5Dnclz4NQ

Re2HJbHeCt9b+wfYHG+E1+7bYhCE32gebPggE06xnaVf7ozsfciQc3LO//dOi123lnk12OLDj39uwKLD1x
9qKvRvthv7Dbe7GJbYh2DOcCvYvpe07ur3GiGcJvWzXumBvccjGDhgZkPMNG9ZroM1c9nZA6Aq7UHK5
2HN86PYIbNppz/7n3jG329Fzp+z5Ba+6/c+sVXNtXe6Nbg/BvqIqsKpVGD42IGOI27uUtGsfLAKBbR2QE4
Kz+WcP1DZCzcdXpCA+0DYIQ+RpJI8UpAn75/fh19H/aCIREi9b4IZyfMrp7IciyywN9jgju6X+DJFVXXC+
4F7dITfIXb07Em7ZfANrgy37YM3T7YLgYA+/4dXbefxA05ANwbczcxXbMS/N+UxW7h9tXMGAIR3+tSn7
ODpo7Zox8d27NOTLr9dcCPtgrIPNi+1cYNG2TvrFtoPhv5jt7n+eN9m+3f3/ZEdOnPcTgSa62T5WbdHAd
eC6+vYtsQWbltIDFGP0i72wuLZnmPqt2o25WgkHAvagvW1YF9UZB3aITSKtoqRGyT4UVAZjgVpITQQ5B
B5iMnzX3QFqiMyAUgDqdBUkBAyOS+eQMzLrAn1IQlftJ/N+xf77Yr37fVg1R/aM/HxL04+PNAmS3Zd/4If
Ztr5y4Ewqbpkndp1sLmbliREuQBVvKmtY9OeMLOVJQHZFnkNMq+QCPxnEaYdut9tisg5Zh+w93zkzxfX
BiYfmccMd8NNB2kuxYQ4AujbrUuHRKf5Jz98XznOubaigPSEKN50LJHz51MHAftLgTkx2wEwVAGgxjYzVe
rrH3bxHXFaH5g7oAEPvH8R4La+BBRAOWqA1I8+OYhJEWrsSeTe73BnRkFBFqGgOIVF1YGZljPgCBoOAH
t8MsFs2zGQ99K5uQGf3Dct+0PuIBmwhQsLbnuWmZVoh82sakgr1IYPBopq12M+kFzSjyKULjGBbQKgh
811wDnhD9v0k4+mFvyqUeZPIKYfo1CqFwAoYK1wple+QC3SggPPnnaiILf/e537vM1+/bts1OnTtmjjz7q
PtqM77wptCrXuRt+KJ48BvPEiRPug88PPfSQmzWgmY9e8/rKnXfeaT/60Y/cJ0RvuOEGGz9+vDuP3ljmO
0z8ECAAdNjknHP69OnuK4oxPg+JLgLTz58Pn1DUZ678nyzwgclHfbSVLyM6D9DH1fy9GO1wSDU770PhI
MgXmYAGxh8gECYyBIAcx44dcwOFYPPRZjxFDB6EYqXjg2TUmzNnjLup+FA15OPDztSBbLt27b11axIPWc
njKfzKISvdCkd/tNuzZ4/7UDZlFpSaj2MzaXx3aujQoa5tjOzAXGu+pXHC8y9Q7lsxYTBX4ZdraUNgbl066D
y691aI8GAXAIahiFrhGECE+5577knm5A4Iw3lvvFXWZM51vPLKK06Doc1ipAfzpjv/JGneQW+hgIc0wYt
JNFXfFLZR7FYRnkDKasx7TzZQeshK+7tiiCjIAjFbdZ1q6IMhhjNF5pTQqaEARz46pt91JdsQAZaoInCey05L
XyTEBKy9+IYq6NgpEgDBjQJSsdoufDJA8LHYfjzTI3V92PMekjCGxY4IdBApCEUxAX2AZCPPhuEUFwAF8V
mOxWoEwWp1XwiiJT+oMSkatlgDmX6Mzd1zSd1/fpRoBwNhWIHX5h/8uqpnTGPyadtcnHt2k/+ugjpyK
PHz9uY8aMsYkTJ9r777/vLoDNOJ4rAm/wLliwwG3CAZt0Hojdf//97o+48Gphf/KI8RUrVtju3budZ4sb4s1f
+uIceNXmzZtnd999t/OeTZ482fWXDtxi+DY1IEoTYrQsaP40v5pDfy6jTD4WewJx/PhgIceLhzzKfe7LCO3
QUHJAUibigAPko6Wy1IB4oOIAE/N1cDxUEIk/HyYfgnBCLnzp0qWuzfvt251njDxsWDxoeLy4UD7lj9sYlnN
x7777rrux/v37u5vkLyjJgzlypGsh8XKfBl6DFqNlgnUHioTyCEBGYDkgBiyoJ107Jt4IgmPRVtkIX7IA+Tlx
Smb9kG75AtcGJ/zf+KJJ5I5ibxZs2bZk08+mczJHLrF8K0yUMpLNSEMFvXw/MRoXogSXT+PeUP4JfhyMp
BmywFx5M2jDhqk+fYdFupPpEIO9XAfCwplQB36I3QXr5UHELb/vrXv3YubAaNgybc7O94tlQnmvy9v2Di
k5P2qG5I5bAM498jV15EABScyGURucDFhRgt7JQ3tJQwH148cQB0LSHySIDedFTmJCJfN8Qj3zzDPu+
dMjjztiTFoG6vHHH0+WpkFzeJE2+ZJvawcEePy5BEpDKD+ferTj76PYtgA0DkFvQKSyVgB9seVAi9EPHCJ
wHmfNBBVqS1krhW6TmMDapiJUTkgS6tCmc3ZoQ+JXhxobwd0IU+lx+6NdrX1p9Ltt2YOxTSYbEJpLwF
wKml9iFkPl4QrH4gA41QDI0jLhZ1OC+gPUR0PJ60c+ROLZlns+FWQWHKEEDTqIhRqnb0T9bSHSjdcQY
8uXvHiXlv4850u3diohB1X2YNvj/7fivre93EyQuC018Xx2j4ApstwnMa7hMNguaBMMwvWoQ09XGAYdrp
ZWXaqj3IBL8/pZEJyD3IBamIkSSdsuZULCTi2V/oYtrjtBtEhM0gAw6sU8oXPn83SWOFjyMuOgx+ZiQVM
/PapDUUOtmHbHl/7zfpRsb9SHU0zMnWefe+XW4IHu+MDYU/LkUmEdpGsrwKiPwaCaZc8w52opFEmII
1Afqzz8m7e+dpNkoo1+nnYJ01oTioj788EPbu3evsYmHDBni3kHjuRMXK1XbXKDbJCa4m08OFIE3hYWF
/vSn7IHAN77xjRoXf8Z7KcfJnzWhhuKepCftoyE0FOIYDGB36YB4yhV8XGWTutBiSfIRPGoV5ROgRfi2Mm
G0+ocKgf99FTQD9oNJIYGRJGIRdIppqDffnN1xjMk/tyBB68ld0cCQW41VS363t8VM+fvmwnPSYU11U
PjtRjbGvXRcgBeeH5EljsEX4E35lkQR2sKrnHRQSBfiAOZKF/n3BoJPVBOeYepNLTdKtig7pHmbmzeS7Tnf
sWhqzKkuEb1XHxMVdbnZpoMFksJznJrjHzJ9D1ZNQbXgOUg/pywBNvYdCrqOEO9/w55N01DmRUeYOk
mCyMZ/MK2kWfRZSjkIDOmLqI9MQhDR9Iw/EjjTBefASSuORp5A1ofCSvPPO067T/fv31zL5csLOH5id/S
h5kH9wuwQGxb/1ojs+SKYS9zZ37lw3iHoOJZMv3WAFuzIXZ0yott2CRvndwxSaU6IuoKFEDkjEnhhrivNz
jHdOmkiOBfqiPqAe5ciAnBssuDzH4u0d8kUmQk6EwuT7535Jh8PPzlpNuh99u+s5GLdP4SfC7hdBR/FE6
9/GOB0cG9vv/WWG2StXhCKeOr7YDdJqK1vn7a1Lx516bpQXVQWyH7iaX1egADUY0af+ImpdbmyOXm
UH0CVfBDGR2XfyXatY58aQQcIevg8CD2vq2l++Ytr5lCmG8e8U0o5WxNIBTEo97UQUB/Eymc/hcyj2ZB
7ZA05IJ90TiYfyLuXrxE0IAbOnwyfUFFDkrmAtCwNNePZSita+VfJozwhOD0/C51PIDw604r635Y8SoB5BJ
qb8LyRjyYhHy2FwPMX1pCBMgKkgmCUR4G26hc5pz9IiyM7MvZIS2YE6Feeukl13ILMvkAqwm3rZUI+C
Zfbqgfoa4UdbOqq/kVvurPMu+vIQiFfAfimjyqjaKiNtaxff0fJecRqi7RVRkmH4A8EIP8TDvmnjQmIJom/FC
XMsVK0x4CQh7IplLcr0IBC1oSiY94i37lzp+u8pZh8gJVN5oIG1icU1646rETUI84M9SPU5c+62vnLiT5gR
OCICQP06FBCEVwemStkVWWpIdoYoH3F5EdQcRokw+QBCyTTTnEICtRPJMPnUj9pSFzj5CM4LgXC3y
9tHulevXu5YbXI2+fKORTBQ3LICA+HC7XOTpYn94XPPPedejvUf7DbEHqrSuln5pdo/sJgTnKbKtqin/+6U
dd/6P5JH+UGdhGpXbGUd62/inp/y91bV/abkUQJYGoIIgqCzh9IxCz+ADHj8IA5/YkSZD8mC0gImHQqD
vRakYltDOQFZ4HyQsgvdbpnCU4Gy2FrS0PUAAR8YSP5vjpH1fPHknWHwS4knms50UofuI58Bddn4t9M
QjdW64j8nAL/5BkIbXis2WYMHjzYxTrmF6s0r8SQjhiTDo8t2smfb78ukBZDptFuLK6QkRdppdIYZCmHuP
RJubRZThrq+eefd6ync38PxpAXjYobPFTXVnz++g/+NxS4bQZBA5lqD6XhUb1gbXjXomRq8IV+1i2/J189
0SBOITpQ0q7IOneo7dXU2NYF7aH8upob4IR9aKFnrfIsDUJOyBEIMVoJfrjgTAArDRmHOGgo6nCMxpKm

g3SUsQhnraF45Wjx4sXugnWB2JIItBQyYJiE8GZh2rDqAwfUXBzbb+fyP/wsqJP7JK1KRCWHFNP+FxLIT
KQM64rFHxkm4MFD+0AONBpkom/kGpkgTRIWizyFMgPVT04aCmZyYjrlhC3Bbe6D1QYwMP4eihcq+eFJ
7s9/sJvZHiqBeu2hLudxD1VPNMQeqi7kcw+I+FOB8GP2CSyIig8fPlxDfEBdZFFkgijMMUBJqJ72UchCFHnV
nuvJiVC8TcCvvnK0uSW5zQV/QnyTjx+fyWAxERhkCMLWsvVBxiZfExOq8U2+7AiVyXOOKEAGApqJ+WQ
fJBc5ZHKLaRDYL+kFaShBIF/0QAY49r29qiNwnLXjx80gbLA2bPKh/ICf2YRrV5tOuIQpU6bYgw8+aE899
ZT7aeX6kqk+yHRP1moQ3C6y4wcJcCYhCIF9CdIcmPDSifDKQpikSIMCuCXiXiQyU/bbwdc/aBC9FU2FR
pRQwF5gfl3HCqBJtNQwWwGIvW5yU6FlqyEF2C7jVK2FncSbNYM4dop6ix4XUi/094AERCPiASyGJNJzK
CKOrk5DZnj8EKwAnITWlpYNDC4K85f/WrX7mvYxDpNj07WdL8AZkkBRLouogl4YcQ5EMQv1ygnhwWg
L6oB4IYYHWsOlGkJC9rDQXzt2zZ4n7MBPb7e6jm/qZEGAYb75RgD8U9cI8MKKsaZh/3IG+nhHtTojJ/bvPP
qpOC9fn5jkSjOyWyfMCP8SVHmNrLYBYED64b8p5PqRj5o9FHxlla8I2RSTzgQcQUAd5oB9i2sp5geLgnK
oDRKyaOCjImld88CQqkHf5/FePckIjm3yAIfAJIQ80lckXnuh0aA1Oibqgh7AQg5dg5bkLg76wsuSwYpZUv
5OP4JhAHfZIEEx5PrI2+XBG4EeqNm2azZgxw7761a/mTqYmQnhQWjKCKU6mCgf+/EnIFR8iAEJQCr9
QT3f5BOJyONBrkA9aTPKfbhzBg2z0IDgtddec+qTF2RbssnncNucZKI2WNkYqIZySuTb5Gv2Tok8vhyL6E
rwUwE5xNyjHkoA8w2NhdKwbofrPPHKWIIc6h9ScSythNZzYyv0rkXIiVdsn3BMhH9TIic0genn4BGKjxOw
KPA2SEt8sMuU1iVklPr6g93wfuIY7aGA9k/MHfsnNFwqxZF6vhfQpwZ5BPJ4nsVrVrQTPn/e3OBYli3tTYla
8AgFgXitik+CtrgHu8xmZlxyaC17qLbgC5hnPINCPlkcrZioRQe/ACQhhMkkiFD0EyXveSEU35TIA89f+tKX
nKbKCCQeeCdi5I3nQibj9v5OJ/CBTQIVZqV2sysualhUam1DtigOTL/RybCaIihSmmIgrZX5RhtbB0ydCYdJ
RI0Uy7O2jHoF6gvoXOGZPhcbjT+fDpMwLoXCF8+3YqVOnOkLxd/vZ7qGaCvzAfBhMgtR6KjMhFTIIVFOjs
QkVhbBQRkGE8okjQmlvI0ikiXmmqDfGqcfeh7mEUJiHfjs0HhrNJ1QY9EnQb6M3CKFaG9hD8dfIDH9/8
AwgUz3UE2Nxt5DZytUeyjIrwRbeygdo6EgFERhLvWDLjIB1JX3D9AfZp9c5z44D33qfFGOCVcn+CcmVAi
sXvxEGhrKf7BbH8QaKr+IMvkQXQJEgBw+nHAHBEAzUcac8hVM9sS8IMu8kvYtD/qBaNJQIiUQTXX+iIq
GxDkBC5Axs8bnjGcbc1Lsd/+9rftu9/9bsO+HJsUihj1hz9u4TEUGSASZSIOMVoJLQXR/PgNdQHChAF5
0HKQRI/aQDth+kFa2qH9YkKIAQPYkNAkxsgNIobIIUAggvZZpKkT3ncBjllMISGgHiSCMMSQiva8cYEWI2
Yfhemn51oxoerACy+84P7m69VXX03m5BeshJgKmb9hQYIRHiKET44wSaRtGGdpFqhDvu8IFehTRoBIz
A0kQ6vhJkeqzT4ajv5Unz12vIdKAR5Y88V5wCA+9thEjXdkMKMFMBPGytcUaMIOCYmuL8IIue+UwMJgf
HEIMNZoFuoz3tIqHEMMATEIHDPfzBF7LgBPKEMeSEMyyMk5yaOfmFANhEycEmyAmZC6nt43NFq6U0IX
Au7viSAEMVoGIkEM8moEPyCS6gB5++iHeYGIHLEEA8iQkz1zT6KY/ph7jg3iE2+JoYmNEB2QKjKjMF
A7QMgi/nhLQJdSaA5CGmvk80PIB+fUijMoDWgqSUi0wgJlQaMOANJfThyYiRPUSkcFrEQvgx1xQzp9oXA
Y4pkwkHodBKaCnSueBxStiyiE2+NOALi0zAE0884dQ8D30zwdXKYILSvEXOBGoFZRVsCpR0CibZ6sSfIz
RnVLcL9j7uW1rXIbJAHokxAj5+/HiXBjwvYnwZZxZHCARRaMu8Ajx40mJ47kLE9UXMaHSYM6cOc6O/v
rXv57MqY2o4dPq6IN64fzmQKiWDBEqDH+cGV9pJkgCwdA6HBPYHxEzP2gijnNBTKhGhE8q0ppoVIVIFa
N+kOIGRdgyf7QOgUURU07HmHtoJghEPWIIlasJHu+hGhH+RAOIxEQ21T6KP09ZtWqV+2HPllogwkYCV
nUhTh8AYYwXobXM5I3i9jDnQvipXxIRqAjDR4dAU4JnamjVrHLFaIkQWoDEMkwJtR72UaRZyPDSOZF4F
w9CyfTOFTGhmhhNRSaAcOmrEi0R/oLkE8nfW6GNfE+czGxiCERdjJEB6YN0LogJlScwGUwOcSyhXFCT5
CdT9qvRzrVOVTml6sv9UPQORRYmYn9vuoKfv/5DH6/6c6he4IajCj387k/AsTSHkkOINJoJ4jFoiJy5oKYU
HmCJoIJTQV/wsITxzGTTmCiiellgu/3W9c5wmXqV+fW0QjsI/jDUP7aGgFNB/oOX3c+keq+IK9r1DWE6
+vYv0btUYkKjAphOucGHJBKOoAxiUXxF6+PIKhJEQJXSpBrKuNoBXZR1Qb8oCfl/JEYcOGDe6vrSdOnG
gjR450eX5d+IGfwO/XP3+6688U0leq/sLnBDomVnlu28ZCrKgaGJkIAEKuVVQhfKw8P590KjIhflwwipcl
UB+EiavrC1+jjqOEX8IOSovYtwt+meCf0w8qC0N53GtUeWMIJlQe4U9mWHjCguQjUyEI1+M4HASlo86
ra8Pk4WffcEwAn1SEuq5Z8M8phK9Dx346k76BrhXQVoRXX35oDohNvjxDAsAEKxbqmvTwnITbCqnyBf
WTrg7lxDzchEj+mxrkI7jUYdVPd85c4F+Lj1Tni6rXUNeWDWIN1YDIZaL9tgiRQjpkck7VwRnBH0/ycBdP
mEC5IESI6tO/JoVsQN/htnXdA2V+m7rqNgViQuUZyQHJVNAyESKFVPCFLN15eUvg4MGD7u+F9CfcPnS
eVP2Er4d6aDV5JWWaZQL/etVfOjSH/VIUYkI1ALS6g+Y46QATD1LxK6i85xYFX9BTgXIRyK/LMQ9PMY
E7ThXeKzUH3FUPzGhCgQSDI/AQPg4n5BQ1gf8Sg9/rpCqne4hFSIUxgIS9jqSBYjPhFRR1+CPoV9OQp
+08Ps/wMvoEii0PKIZAAAAABJRu5ErkJggg==</Image></Tour></Tours></Visualization>

4 Security

4.1 Security Considerations for Implementers

None.

4.2 Index of Security Fields

None.

5 Appendix A: Full XML Schemas

For ease of implementation, the following sections provide the full **XML schemas** for this file format.

Schema name	Section
3-D Data Visualization Tour schema	5.1
Geo cache schema	5.2
Region polygon cache schema	5.3
Tour collection schema	5.4

5.1 <http://microsoft.data.visualization.engine.tours/1.0> Schema

```
<xs:schema xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xs="http://www.w3.org/2001/XMLSchema"
attributeFormDefault="unqualified" elementFormDefault="qualified"
targetNamespace="http://microsoft.data.visualization.engine.tours/1.0"
xmlns:tns="http://microsoft.data.visualization.engine.tours/1.0">
  <xsd:complexType name="CT_Camera">
    <xsd:sequence>
      <xsd:element name="Latitude" type="xsd:decimal"/>
      <xsd:element name="Longitude" type="xsd:decimal"/>
      <xsd:element name="Rotation" type="xsd:decimal"/>
      <xsd:element name="PivotAngle" type="xsd:decimal"/>
      <xsd:element name="Distance" type="xsd:decimal"/>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="CT_Frame">
    <xsd:sequence>
      <xsd:element name="Camera" type="tns:CT_Camera"/>
      <xsd:element name="Image" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="CT_Scene">
    <xsd:sequence>
      <xsd:element name="Transition" type="xsd:string"/>
      <xsd:element name="Effect" type="xsd:string"/>
      <xsd:element name="Theme" type="xsd:string"/>
      <xsd:element name="ThemeWithLabel" type="xsd:boolean"/>
      <xsd:element name="FlatModeEnabled" type="xsd:boolean"/>
      <xsd:element name="Duration" type="xsd:unsignedInt"/>
      <xsd:element name="TransitionDuration" type="xsd:unsignedInt"/>
      <xsd:element name="Speed" type="xsd:decimal"/>
      <xsd:element name="Frame" type="tns:CT_Frame"/>
      <xsd:element name="LayersContent" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="CT_Scenes">
    <xsd:sequence>
      <xsd:element maxOccurs="unbounded" name="Scene" type="tns:CT_Scene"/>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="CT_Tour">
    <xsd:sequence>
```

```

    <xsd:element name="Scenes" type="tns:CT_Scenes"/>
  </xsd:sequence>
  <xsd:attribute name="Name" type="xsd:string" use="required"/>
  <xsd:attribute name="Description" type="xsd:string" use="required"/>
</xsd:complexType>
<xsd:element name="Tour" type="tns:CT_Tour"/>
</xs:schema>

```

5.2 http://microsoft.data.visualization.Client.Excel.LState/1.0 Schema

```

<xs:schema xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xs="http://www.w3.org/2001/XMLSchema"
attributeFormDefault="unqualified" elementFormDefault="qualified"
targetNamespace="http://microsoft.data.visualization.Client.Excel.LState/1.0"
xmlns:tns="http://microsoft.data.visualization.Client.Excel.LState/1.0">
  <xsd:complexType name="CT_VisualizationLState">
    <xsd:sequence>
      <xsd:element name="cg" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:element name="VisualizationLState" type="tns:CT_VisualizationLState"/>
</xs:schema>

```

5.3 http://microsoft.data.visualization.Client.Excel.PState/1.0 Schema

```

<xs:schema xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xs="http://www.w3.org/2001/XMLSchema"
attributeFormDefault="unqualified" elementFormDefault="qualified"
targetNamespace="http://microsoft.data.visualization.Client.Excel.PState/1.0"
xmlns:tns="http://microsoft.data.visualization.Client.Excel.PState/1.0">
  <xsd:complexType name="CT_VisualizationPState">
    <xsd:sequence>
      <xsd:element name="rp" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:element name="VisualizationPState" type="tns:CT_VisualizationPState"/>
</xs:schema>

```

5.4 http://microsoft.data.visualization.Client.Excel/1.0 Schema

```

<xs:schema xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xs="http://www.w3.org/2001/XMLSchema"
attributeFormDefault="unqualified" elementFormDefault="qualified"
targetNamespace="http://microsoft.data.visualization.Client.Excel/1.0"
xmlns:tns="http://microsoft.data.visualization.Client.Excel/1.0">
  <xsd:complexType name="CT_Tour">
    <xsd:sequence>
      <xsd:element name="Description" type="xsd:string"/>
      <xsd:element name="Image" type="xsd:string"/>
    </xsd:sequence>
    <xsd:attribute name="Name" type="xsd:string" use="required"/>
    <xsd:attribute name="Id" type="xsd:string" use="required"/>
    <xsd:attribute name="TourId" type="xsd:string" use="required"/>
    <xsd:attribute name="XmlVer" type="xsd:unsignedByte" use="required"/>
    <xsd:attribute name="MinXmlVer" type="xsd:unsignedByte" use="required"/>
  </xsd:complexType>

```

```
<xsd:complexType name="CT_Tours">
  <xsd:sequence>
    <xsd:element maxOccurs="unbounded" name="Tour" type="tns:CT_Tour"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="CT_Visualization">
  <xsd:sequence>
    <xsd:element name="Tours" type="tns:CT_Tours"/>
    <xsd:element name="Colors"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:element name="Visualization" type="tns:CT_Visualization"/>
</xs:schema>
```

6 Appendix B: Product Behavior

The information in this specification is applicable to the following Microsoft products or supplemental software. References to product versions include released service packs:

- Windows 7 operating system
- Windows Server 2008 R2 operating system
- Windows Server 2012 operating system
- Microsoft .NET Framework 4.5
- Windows 8 operating system
- Windows 8.1
- Microsoft Office 365 ProPlus

Exceptions, if any, are noted below. If a service pack or Quick Fix Engineering (QFE) number appears with the product version, behavior changed in that service pack or QFE. The new behavior also applies to subsequent service packs of the product unless otherwise specified. If a product edition appears with the product version, behavior is different in that product edition.

Unless otherwise specified, any statement of optional behavior in this specification that is prescribed using the terms SHOULD or SHOULD NOT implies product behavior in accordance with the SHOULD or SHOULD NOT prescription. Unless otherwise specified, the term MAY implies that the product does not follow the prescription.

7 Change Tracking

This section identifies changes that were made to the [MS-3DMDTP] protocol document between the April 2014 and July 2014 releases. Changes are classified as New, Major, Minor, Editorial, or No change.

The revision class **New** means that a new document is being released.

The revision class **Major** means that the technical content in the document was significantly revised. Major changes affect protocol interoperability or implementation. Examples of major changes are:

- A document revision that incorporates changes to interoperability requirements or functionality.
- The removal of a document from the documentation set.

The revision class **Minor** means that the meaning of the technical content was clarified. Minor changes do not affect protocol interoperability or implementation. Examples of minor changes are updates to clarify ambiguity at the sentence, paragraph, or table level.

The revision class **Editorial** means that the formatting in the technical content was changed. Editorial changes apply to grammatical, formatting, and style issues.

The revision class **No change** means that no new technical changes were introduced. Minor editorial and formatting changes may have been made, but the technical content of the document is identical to the last released version.

Major and minor changes can be described further using the following change types:

- New content added.
- Content updated.
- Content removed.
- New product behavior note added.
- Product behavior note updated.
- Product behavior note removed.
- New protocol syntax added.
- Protocol syntax updated.
- Protocol syntax removed.
- New content added due to protocol revision.
- Content updated due to protocol revision.
- Content removed due to protocol revision.
- New protocol syntax added due to protocol revision.
- Protocol syntax updated due to protocol revision.
- Protocol syntax removed due to protocol revision.

- Obsolete document removed.

Editorial changes are always classified with the change type **Editorially updated**.

Some important terms used in the change type descriptions are defined as follows:

- **Protocol syntax** refers to data elements (such as packets, structures, enumerations, and methods) as well as interfaces.
- **Protocol revision** refers to changes made to a protocol that affect the bits that are sent over the wire.

The changes made to this document are listed in the following table. For more information, please contact dochelp@microsoft.com.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
2.1.3 CT Scene	Updated the description of the ThemeWithLabel element to indicate the meanings of each of the possible values.	N	Content updated.

8 Index

A

[Applicability](#) 5

C

[Change tracking](#) 30

[Common data types and fields](#) 7

Complex types

[CT_Camera](#) 7

[CT_Frame](#) 7

[CT_Scene](#) 8

[CT_Scenes](#) 9

[CT_Tour](#) ([section 2.1.5](#) 9, [section 2.1.6](#) 10)

[CT_Tours](#) 11

[CT_Visualization](#) 11

[CT_VisualizationLState](#) 12

[CT_VisualizationPState](#) 12

[CT_Camera complex type](#) 7

[CT_Frame complex type](#) 7

[CT_Scene complex type](#) 8

[CT_Scenes complex type](#) 9

[CT_Tour complex type](#) ([section 2.1.5](#) 9, [section 2.1.6](#) 10)

[CT_Tours complex type](#) 11

[CT_Visualization complex type](#) 11

[CT_VisualizationLState complex type](#) 12

[CT_VisualizationPState complex type](#) 12

D

[Data types and fields - common](#) 7

Details

[common data types and fields](#) 7

[CT_Camera complex type](#) 7

[CT_Frame complex type](#) 7

[CT_Scene complex type](#) 8

[CT_Scenes complex type](#) 9

[CT_Tour complex type](#) ([section 2.1.5](#) 9, [section 2.1.6](#) 10)

[CT_Tours complex type](#) 11

[CT_Visualization complex type](#) 11

[CT_VisualizationLState complex type](#) 12

[CT_VisualizationPState complex type](#) 12

[Tour element](#) 13

[Visualization element](#) 13

[VisualizationLState element](#) 13

[VisualizationPState element](#) 13

E

Elements

[Tour](#) 13

[Visualization](#) 13

[VisualizationLState](#) 13

[VisualizationPState](#) 13

[Examples](#) 15

F

[Fields - security index](#) 25

[Fields - vendor-extensible](#) 6

[Full XML schema](#) 26

G

[Glossary](#) 4

I

[Implementer - security considerations](#) 25

[Index of security fields](#) 25

[Informative references](#) 5

[Introduction](#) 4

L

[Localization](#) ([section 1.6](#) 5, [section 1.6](#) 5)

N

[Normative references](#) 4

O

[Overview \(synopsis\)](#) 5

P

[Product behavior](#) 29

R

[References](#) 4

[informative](#) 5

[normative](#) 4

[Relationship to protocols and other structures](#) 5

S

Security

[field index](#) 25

[implementer considerations](#) 25

Structures

[overview](#) 7

T

[Tour element](#) 13

[Tracking changes](#) 30

V

[Vendor-extensible fields](#) 6

[Versioning](#) ([section 1.6](#) 5, [section 1.6](#) 5)

[Visualization element](#) 13
[VisualizationLState element](#) 13
[VisualizationPState element](#) 13

x

[XML schema](#) 26