San Pablo Police Department
&
Peregrine Technologies

Initial Proposal
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Prepared for:

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Proposal Overview

The following document details the proposed software agreement between Peregrine Technologies, Inc. ("Peregrine") and San Pablo Police Department ("SPPD").

Peregrine will provide its platform to SPPD to access, integrate, and analyze information across the department. This proposal includes an annual software license to operate Peregrine which includes data implementation, user onboarding & training, ongoing support, and data storage. Please view the attached Master Services Agreement and associated Order Form for further details. Under this proposal, Peregrine will provide:

- **Annual License to Peregrine Platform & Peregrine Mobile**
    - Use cases & capabilities as detailed on pages 5 – 7
    - Includes: Unlimited users, unlimited search, unlimited data imports, unlimited investigations, unlimited sharing, and unlimited storage of case media
- **Data Implementation**
    - 8 enterprise data integrations as detailed on page 7
    - 7 automated data import templates as detailed on page 7
- **User Onboarding & Training**
    - Peregrine will provide secure login credentials & onboarding to all new users of the Peregrine Platform and Peregrine Mobile
    - Training: Peregrine will provide introductory training on-site at SPPD as well as refresher sessions and advanced training modules as mutually agreed by the Project Sponsor & Project Lead
- **On-site Support**
    - Peregrine will provide on-site support as needed and mutually agreed by the Project Sponsors
- **Remote Support**
    - Peregrine will provide remote technical & analytic support during normal business hours and is available on support-sppd@peregrine.io
    - Peregrine will maintain a 24 hour response time to all user requests
- **Data Storage & Retention**
    - Peregrine has designed all data handling, storage, & retention policies for full CJIS compliance

About Peregrine Technologies

Peregrine Technologies is an advanced analytic platform that provides a single point of access to view and analyze large-scale data from various data sources. The software performs several critical functionalities, including: data integration, search and information retrieval, advanced analytics, data management, collaboration, access control, and security. The software was developed to enhance investigatory capabilities, streamline criminal analysis, and generate intelligence products for Law Enforcement. Peregrine creates an extremely efficient method for turning large amounts of raw data into useful analysis products, quickly and with significant reduction in Criminal Analyst and IT Engineer manpower needs. The software will be made available to any and all law enforcement personnel within San Pablo, through the San Pablo Police Department.

Peregrine was designed for complete system interoperability and supports existing record management systems, case management systems, evidence management systems, arrest records, warrant data, subpoenaed data, Computer Aided Dispatch (CAD) data, gang intelligence data, suspicious activity reports, Automated License Plate Reader (ALPR) data, and unstructured data such as document repositories, imagery, and video.

Peregrine provides Law Enforcement a unified intelligence and investigations platform enabling rich analysis, meaningful community engagement, and deep connections between information in the field and situational awareness at headquarters.

Peregrine Use Cases

Peregrine's platform supports workflows for investigators, officers, criminal analysts and administrators, seamlessly integrating data sources to create situational awareness and enable operations. Key use cases include:

- **Intelligence Platform for Law Enforcement**

    - Understand resource allocation, productivity, and performance across the agency

    - Explore macro & micro trends in crime as well as specific activity of an incident or investigation in one place

    - Perform live, data-driven briefings to internal and external stakeholders

- **Community Engagement with Precision**

    - Use data-driven approaches to proactively understand the community that the agency protects and serves

    - Create clear and interactive reports to address specific questions and manage public information requests

    - Engage on specific community needs with timely data to maintain and build trust with citizens

- **Advanced Criminal Analytics for Investigators**

    - Synthesize structured and unstructured data from previously siloed data sources to build a complete investigative picture

    - Leverage deep analytical tools for investigators to efficiently discover patterns, find leads, and solve cases

- **Case Management in a Unified Intelligence and Investigations Platform**

    - Use a single platform to search and store all data pertaining to an investigation

    - Streamline data collection and intelligence processing for criminal cases

    - Configure access controls to collaborate across personnel and departments

    - Develop visual presentations to share the entire criminal story with investigators, analysts, and in legal proceedings

- **Field Investigation with Situational Awareness at Headquarters**

    - Perform mobile field investigations with speed, accuracy, and real-time connectivity to headquarters

Peregrine Capabilities Summary

Data Integration

- Flexible integrations accommodate data of any type or scale

- Automated tagging of unstructured data

- Link detection across disparate data sources

- Automatic data reconciliation & transformations, including time-zone conversion

- Automatic detection, extraction, and analysis of imported data

- Resolution of duplicate or mis-entered data

Search

- One place to perform global search across all data sources

- Full-text querying across all data in the system, both structured and unstructured

- Advanced geospatial search filtering within specific addresses, areas, and transportation routes

- Store search results and save complex queries for repeat search

- Ongoing monitors & alerts of key events

Advanced Analytics

- Geospatial and temporal analysis across multiple data sources

- Drill-down analysis on specific activities, persons, or events

- Link-exploration across data that was previously locked in siloed databases

- Advanced filtering of any data type or data value

- Live dashboards & alerting from any data source

- Full access to media, including reports, documents, images, and video

Collaboration

- Rich presentation tools to share analyses or narrate a criminal story

- Real-time collaboration across multiple users inside a map or investigation

- Automated reporting

- Secure data export with audit logging

Access Control & Security

- Full data lineage including when it was created or modified and the data source from which it was derived
- Granular security or access restrictions associated with specific data types or data sources

Enable law enforcement to seamlessly access, investigate, and collaborate on data across the organization.

Current Peregrine Data Sources at SPPD

Enterprise Wide Information

Peregrine has already integrated SPPD's key enterprise data sources, including:

SPPD Databases

- Records Management System
  - All entities including incidents, arrests, citations, cases, subjects, vehicles, property, & personnel
  - All associated media files
  - Links between related entities
- Computer Aided Dispatch System
- Gunshot database
- Automated License Plate Reader database

Enterprise Map Layers

- Assessor data including parcel ownership and contact information
- Police Beats
- AC Transit Routes
- East Bay City Limits

Automated Data Import

In addition, Peregrine has created 7 integrations for automatic import and analysis of warrant data. Detectives and administrators can drag & drop data into Peregrine, which immediately detects the data source and extracts data for visual analysis and display.
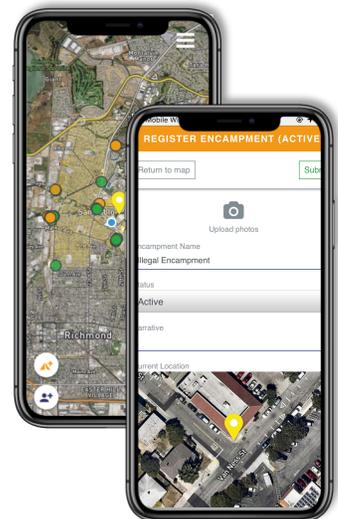
Specific data import templates include:
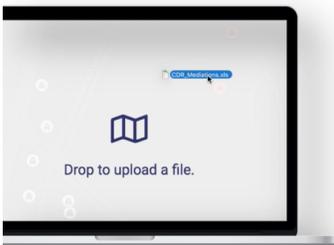
- Historical call data records for 4 major wireless communications service providers
- Mobile phone GPS data
- Physical extraction data
- Any KML or SHP data

Peregrine Mobile

With the deployment of a mobile device to every patrol officer, SPPD can collect & track data from the field while enhancing situational awareness at headquarters.

Proposal Logistics & Implementation

Key Milestones & Project Deliverables

Feb 2018

- ✓ Peregrine start date
- ✓ CJIS compliant IT security infrastructure completed

Mar 2018

- ✓ PATH mobile prototype deployed
- ✓ PATH analytics platform deployed

Apr 2018

- ✓ RMS data source integrated
- ✓ CAD data source integrated

May 2018

- ✓ Initial forensics workflows deployed
- ✓ Gunshot data source integrated

Jun 2018

- ✓ Global search functionality created
- ✓ Drill-down filtering capability created
- ✓ Timeline analysis capability created

Jul 2018

- ✓ 4 call data record integrations created
- ✓ GPS integration created
- ✓ Physical extraction integration created

Aug 2018

- ✓ Automated license plate reader data integrated
- ✓ iPhone mobile application development initiated

Sep 2018

- ✓ Analytics platform deployed
- ✓ Initial users received platform logins for beta-testing
- ✓ iPhone mobile application testing initiated

Key Upcoming Milestones & Dates

- **Dec 2018:** Contract discussion & sign
- **Dec 2018:** Define Peregrine Mobile initial user group (introduction + training)
- **Dec 2018:** Mobile application deployment with initial user group
- **Jan 2019:** Agency-wide Platform training #1
- **Jan 2019:** Deskside 1:1 training for all users with advanced modules for key users
- **Jan 2019:** Full deployment of Peregrine Mobile for all officers
- **To be determined:** Additional data integrations

Key Team Members

- **San Pablo Police Department**

    - **Project Sponsor:** Lieutenant Brian Bubar

        - Responsible for strategic vision, day to day logistics & interactions, and user access

    - **Technical Sponsor:** Rogelio Vista, IT Administrator

        - Responsible for IT management and day to day technical / data source access requirements

- **Peregrine Technologies**

    - **Project Lead:** Nick Noone, CEO

        - Responsible for product development, user interactions, and analytic support

    - **Technical Lead:** Ben Rudolph, Head of Engineering

        - Responsible for software development

    - **Support Contact:** All support requests can be sent to support-sppd@peregrine.io

Data Sources & Access Controls

- **Current Data Sources:** Currently, SPPD has 8 enterprise data integrations and 7 automated data import templates deployed on Peregrine

    - This allows access to a majority of the major enterprise wide databases and a bulk of the top warrant-based discovery files

- **Additional Integrations:** All additions shall be at the mutual agreement between the Project Sponsor & Project Lead

    - After Project Sponsor agreement & written approval for 3rd Party data source access, Project Lead & Technical Lead will coordinate the data modeling & technical requirements, respectively, with SPPD's Technical Sponsor

    - Peregrine will model, ingest, and make available new data sources to users in real-time and shall work out data inconsistency & proper representation case by case

User Access, Onboarding & Training

- **Current User Access**

    - Peregrine Platform access is restricted to on-premise SPPD desktop machines

        - All users are provided with individual, two-factor authentication credentials

    - Peregrine Mobile access is restricted to SPPD mobile phones with a pre-loaded mobile application

        - Mobile device management to be determined with Technical Sponsor

- **Adding & Removing Users**: SPPD may add an unlimited number of additional SPPD users to Peregrine Platform & Peregrine Mobile

    - SPPD's Project or Technical Sponsor retain specific approval rights to new users

    - Once a written request for a new Peregrine user is submitted, Peregrine shall then supply the new user with secure, two-factor authentication credentials and schedule an introductory training session

    - In the event of the need to remove users from Peregrine, within 24 hours of a request to remove user by SPPD's Project or Technical Sponsor, Peregrine shall revoke all access rights

    - Peregrine can support an Active Directory integration to enable automatic user addition & removal

- **Onboarding & Training**: Each new user shall have an introductory training session to provide 1) Overview of the Peregrine application(s), 2) Background on currently accessible data sources, and 3) Introduction to analytic capabilities. Additional training will be handled on a case-by-case basis, especially as the platform evolves

Support

- **On-site Support**: Peregrine shall support SPPD users on-site on a regular basis to perform in-person trainings, analytical support, user feedback, modeling/understanding of additional data sources or automated data imports, and new product features

    - Peregrine employees performing on-site support shall receive prior approval by Project Sponsor in order to access SPPD premises & interact with users
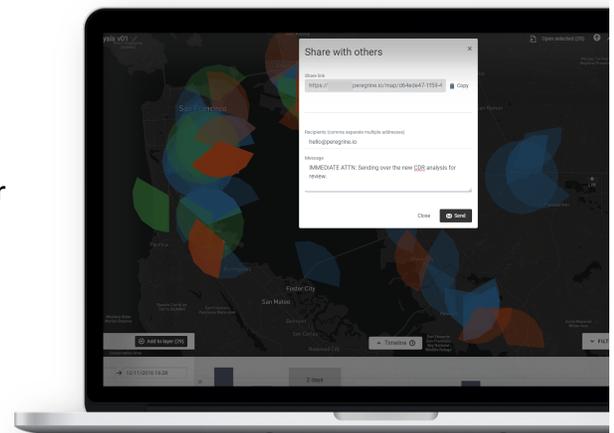
- **Offsite Support**: Peregrine also provides support offsite via support-sppd@peregrine.io. All requests shall be given a response within 24 hours. Peregrine's Project Lead and Technical Lead are also available during normal business hours and make best efforts to address user or administrative concerns

SPPD Technical Details

- **Software Architecture, Hosting, & Security:** Peregrine has implemented procedures to adhere to the FBI CJIS Security Policy. In addition, the hosting facility for Peregrine software utilizes state-of-the-art access control technologies that meet or exceed CJIS requirements

- **Application Requirements**: The Peregrine Platform and Peregrine Mobile run on the following applications:

  - Browser requirements for Peregrine Platform – Google Chrome Version 69 and above, Mozilla Firefox Version 62 and above, or Microsoft Edge Version 17 and above

  - Mobile device requirements for Peregrine Mobile – iPhone OS version 12.0 and above

- **3rd Party Data Access:** In order to model & ingest 3rd party data sources, Peregrine requires explicit Project Sponsor approval & grant of access rights

- **Upgrades:** Peregrine continuously invests and upgrades the current software platform on a daily to weekly basis. All upgrades are included in the SPPD annual license and as the platform evolves, Peregrine shall give 48 hour advance notice of any "major upgrades" (i.e., affect application availability for more than 60 minutes)

  - In order to minimize disruptions to user workflows, all major upgrades shall be performed from 10:00pm PT to 5:00am PT
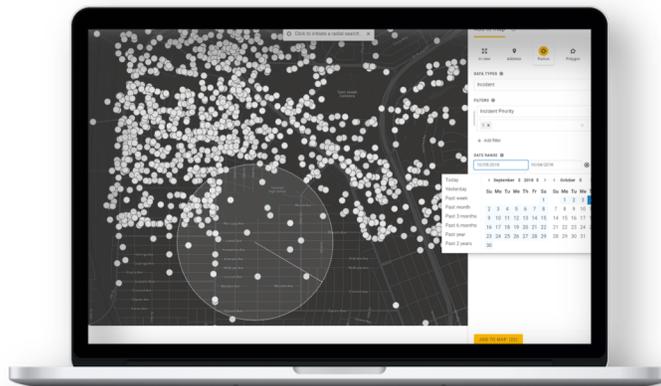
Pricing

The below contemplates a package price and includes any further upgrades to the overall platform. SPPD's data integrations are already live and ready in the product today and Peregrine looks forward to partnering with SPPD to ensure the user experience & platform achieves SPPD's objectives.

The license includes the Peregrine platform as it stands today, including use cases & capabilities as detailed on pages 5–7 and all future software improvements. In further detail:

Peregrine Technologies Annual License	**$100,000**
Enterprise Data Integrations	Included
Records management system database	Included
Computer aided dispatch system database	Included
Gunshot database	Included
Automated license plate reader database	Included
Body camera video database	Included
Parcel database	Included
Police beats	Included
Transit routes	Included
City limits	Included
Microsoft Active Directory user credentials database	Included
Warrant data imports	Included
Call data records for 4 major wireless communications service providers	Included
Mobile phone GPS records	Included
Physical phone extraction records	Included
Social media warrant data records	Included
Additional warrant data imports subject to mutual written agreement of parties	Included
Additional data integrations subject to mutual written agreement of parties	Included

Peregrine Intelligence Platform	Included
Unlimited users	Included
Unlimited search & advanced saved search	Included
Unlimited investigations	Included
Unlimited alert configurations	Included
Unlimited report templates	Included
Unlimited monitoring dashboards	Included
Unlimited sharing between users	Included
Unlimited media storage (documents, videos, photos)	Included
Peregrine Mobile	Included
Unlimited users	Included
Unlimited search	Included
Unlimited creation and storage of field investigations	Included
Unlimited creation and storage of person entities	Included
Unlimited creation and storage of vehicle entities	Included
Unlimited storage of field investigation media data	Included
Unlimited identification card scans	Included
User Training & Support	Included
Peregrine intelligence platform introductory user training	Included
Peregrine intelligence platform advanced user training	Included
Peregrine mobile introductory user training	Included
Peregrine mobile advanced user training	Included
User-specific workflow support	Included
24-hour troubleshooting	Included
Software upgrades and feature enhancements	Included