**Automatic recognition of violent physical actions in video surveillance systems.**

**Change Request**

October 25, 2019

Author:

Omar Alejandro Cordova Gallardo

José Alberto Nolasco Cruz

Contenido

[CR No. 1 4](#_Toc24108526)

[CR No. 2 5](#_Toc24108527)

[CR No. 3 6](#_Toc24108528)

[Table comparative concerning changes request 6](#_Toc24108529)

|  |  |  |  |
| --- | --- | --- | --- |
| Add video formats | | | |
| CR No. 1 | Priority: Medium | | Date: 24/10/2019 |
| Description | | Add to the system the ability to play videos in 3GP, FLV and WMV format | |
| Liability person | | Alberto Nolasco | |
| Required time | | 15 days | |
| Required human resource | | Programmer, designer and tester | |
| Required budge | | $2,000 | |
| Impact | | RF001 and RF002 | |
| Risk | | Delays in project delivery | |
| Opportunities | | Being able to analyze different videos, which were taken in other video formats | |
| Decision | |  | |
| Reasons for the decision | |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| Weapons detection | | | |
| CR No. 2 | Priority: Medium | | Date: 24/10/2019 |
| Description | | Add the ability to detect white weapons and firearms to the system | |
| Liability person | | Alberto Nolasco | |
| Required time | | 3 Months | |
| Required human resource | | Project manager, designer, programmer and tester. | |
| Required budge | | $10,000 | |
| Impact | | RF006, RF007, RF008, RF012 | |
| Risk | | Delays in project delivery and adding complexity to the system | |
| Opportunities | | Create a surveillance system with superior capabilities and achieve better protection | |
| Decision | |  | |
| Reasons for the decision | |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| Saving frames | | | |
| CR No. 3 | Priority: Critical | | Date: 24/10/2019 |
| Description | | Prefer the system to save the frames in FLV format to comply with the standards established by the IT department. | |
| Liability person | | Alberto Nolasco | |
| Required time | | 1 Month | |
| Required human resource | | Designer, programmer and tester | |
| Required budge | | $2,000 | |
| Impact modules | | RF005 | |
| Risk | | Decreased video quality | |
| Opportunities | | Saving on storage space | |
| Decision | |  | |
| Reasons for the decision | |  | |

# Table comparative concerning changes request

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | CR1 | CR2 | CR3 |  |
| Time | 15 days | 3 months | 1 months |  |
| Budget | $2000 | $10000 | $2000 |  |
| Human Resources | Develop, designer and tester | Develop, designer, tester and project leader | Develop, tester and designer |  |
| Priority | Critical | Low | Critical |  |
| Risks | Delays in project delivery | Delays in project delivery and adding complexity to the system | Decreased video quality |  |
| Opportunities | Being able to analyze different videos, which were taken in other video formats | Create a surveillance system with superior capabilities and achieve better protection | Saving on storage space |  |
| CB | Approve | Disapprove | Disapprove |  |
| Reason | Luis: the cost - benefits is low.  Omar: the ARV can be used for different types of videos | Luis: the change request is more high complexity and effect seriously budget  Omar: the change is more difficult and the change can be approved in other actualization of the project | Luis: For the time and the budget  Omar: affect the time of the project. |  |